



INSTITUT KESELAMATAN DAN KESIHATAN PEKERJAAN NEGARA
NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH (NIOSH)



LAPORAN TAHUNAN NIOSH **2019** NIOSH Annual Report



Diterbitkan oleh :
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Hak cipta terpelihara. Tidak dibenarkan mengeluarkan ulang mana-mana bahagian teks, ilustrasi dan isi kandungan buku ini dalam apa jua bentuk dan dengan apa jua cara, sama ada secara elektronik, fotokopi, mekanik, rakaman atau cara lain kecuali dengan keizinan bertulis daripada Institut Keselamatan dan Kesihatan Pekerjaan Negara (NIOOSH).

Dicetak oleh:





Sejak ditubuhkan, NIOSH kini telah berevolusi menjadi pusat KKP yang menyediakan penyelesaian menyeluruh untuk latihan dan perkhidmatan KKP yang cemerlang

Since its inception, NIOSH has now evolved into a one-stop solution provider for excellent OSH training and services

ISI KANDUNGAN

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MENARA NIOSH
TUGAS JAWABAN TUGAS



PROFIL KORPORAT

CORPORATE PROFILE

LATAR BELAKANG

Institut Keselamatan dan Kesihatan Pekerjaan Negara (NIOOSH) ditubuhkan sebagai syarikat berhad menurut jaminan pada 24 Jun 1992 di bawah Kementerian Sumber Manusia. Bermula dengan sebuah pejabat sementara di Pusat Bandar Damansara, NIOOSH telah berpindah ke Bandar Baru Bangi pada tahun 1996.

Seiring dengan permintaan yang semakin meningkat, NIOOSH meluaskan lagi perkhidmatannya melalui pembentukan pejabat wilayah yang terletak di Sarawak, Sabah, Pulau Pinang, Johor dan Terengganu.

Inisiatif menubuhkan anak syarikat yang dikenali sebagai NIOOSH Certification Sdn Bhd (NCSB) pada tahun 2004 bertujuan untuk meningkatkan budaya Keselamatan dan Kesihatan Pekerjaan (KKP) di Malaysia. NCSB menjalankan aktiviti pensijilan syarikat yang berjaya melaksanakan Sistem Pengurusan Keselamatan dan Kesihatan Pekerjaan (OSHMS) yang diiktiraf antarabangsa dan badan pensijilan yang lain.

NIOOSH telah memperolehi pensijilan bagi Sistem Pengurusan Kualiti ISO 9001:2000 pada tahun 2003, ISO 9001:2008 pada tahun 2009 dan kemudiannya telah dinaiktaraf kepada ISO 9001:2015 pada tahun 2018. Pensijilan OHSAS 18001:2007 dan MS 1722:2011 telah diperolehi pada 1 Oktober 2012. Manakala Makmal Analisis Higen Industri NIOOSH pula telah mendapat Akreditasi bagi pensijilan MS ISO/IEC 17025:2005 (ISO/IEC 17025:2005) pada tahun 2008.

BACKGROUND

The National Institute of Occupational Safety and Health (NIOOSH) was established as a company limited by guarantee on 24th June 1992 under the Ministry of Human Resources, Malaysia. It began its operations from a temporary office located in Pusat Bandar Damansara, before eventually moving its operations to the current NIOOSH headquarters in Bandar Baru Bangi in 1996.

In line with the increasing demand, NIOOSH further expanded its services through the establishment of regional offices in Sarawak, Sabah, Penang, Johor and Terengganu.

In 2004, a subsidiary known as NIOOSH Certification Sdn Bhd (NCSB) was established to enhance the Occupational Safety and Health (OSH) work culture in Malaysia. NCSB undertakes certification activities for companies that have successfully implemented the internationally recognized Occupational Safety and Health Management System (OSHMS) and other related certifications.

NIOOSH obtained the certification for ISO Quality Management System 9001:2000 in 2003, ISO9001:2008 in 2009, and later upgraded to ISO 9001:2015 in 2018. It received the OHSAS 18001:2007 and MS 1722:2011 certifications on 1st October 2012. Meanwhile, the NIOOSH Industrial Hygiene Analytical Lab was accredited with MS ISO/IEC 17025:2005 (ISO/IEC 17025:2005) in 2008.

FUNGSI DAN OBJEKTIF

Fungsi NIOSH adalah untuk memberikan latihan, khidmat rundingan, penyelidikan dan pembangunan serta penyebaran maklumat dalam bidang Keselamatan dan Kesihatan Pekerjaan (KKP). Objektif penubuhan NIOSH adalah :

- ▶ Untuk menyumbang ke arah usaha meningkatkan tahap KKP melalui pembangunan kurikulum dan program latihan untuk pekerja, majikan, dan mereka yang bertanggungjawab, secara langsung atau sebaliknya, terhadap keselamatan dan kesihatan pekerja.
- ▶ Untuk membantu industri, perdagangan dan sektor-sektor lain dalam menyelesaikan masalah yang berkaitan dengan KKP.
- ▶ Untuk membantu mereka yang bertanggungjawab terhadap KKP dengan maklumat yang terkini dari dalam dan luar Negara dalam bidang keselamatan dan kesihatan pekerjaan.
- ▶ Untuk mengadakan penyelidikan jangka pendek dan jangka panjang dalam bidang-bidang yang berkaitan dengan KKP yang boleh membawa faedah dan manfaat kepada negara.
- ▶ Untuk menyebarkan maklumat hasil dari penyelidikan dan juga menjadi pusat rujukan di dalam bidang KKP.

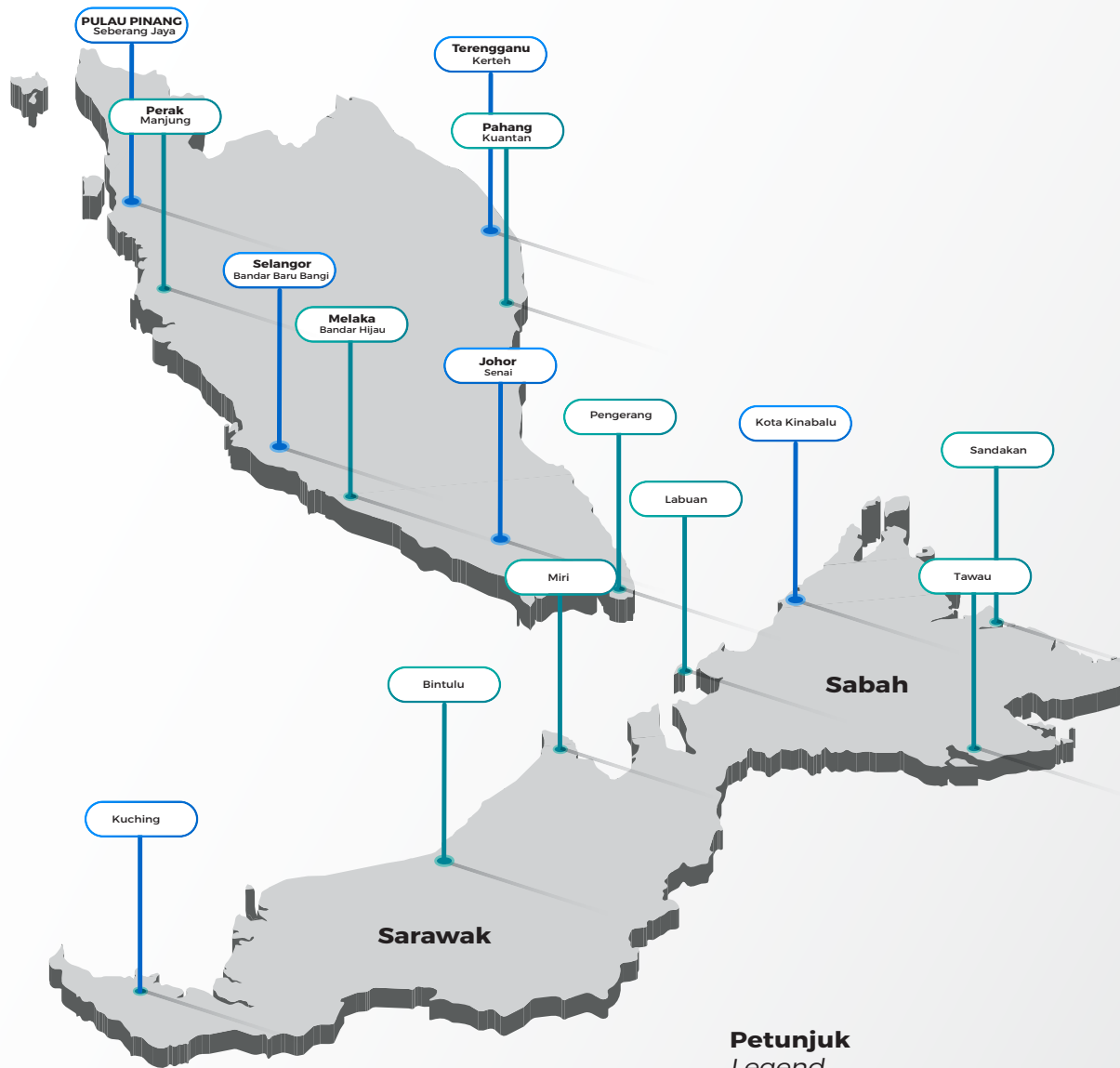
FUNCTIONS AND OBJECTIVES

The functions of NIOSH are to provide training, and consultancy, conduct research and development, as well as disseminate information on Occupational Safety and Health (OSH). The objectives of NIOSH's establishment are :

- ▶ *To contribute towards the effort in enhancing the level of OSH by developing curriculum and training programmes for employees, employers, and those responsible for OSH, either directly or indirectly.*
- ▶ *To assist the industry, commerce and other sectors in solving OSH-related problems.*
- ▶ *To assist those responsible for OSH by providing them with the latest information related to the field from both local and abroad.*
- ▶ *To undertake short-term and long-term research in the fields related to OSH that are beneficial to the nation.*
- ▶ *To disseminate information on research findings and to act as the centre of reference in the field of OSH.*

DIREKTORI PEJABAT NIOSH

DIRECTORY OF NIOSH OFFICES



Enam (6) Pejabat Wilayah
Six (6) Regional Offices



Sembilan (9) Pejabat Satelit
Nine (9) Satellite Offices



IBU PEJABAT NIOSH MALAYSIA *NIOSH MALAYSIA HEADQUARTERS*

Lot 1, Jalan 15/1, Section 15 , 43650 Bandar Baru Bangi
Selangor Darul Ehsan, Malaysia

+603 8769 2100 / +603 8911 3800

+603 8926 2900

general@niosh.com.my

PEJABAT WILAYAH UTARA **NORTHERN REGIONAL OFFICE**

PEJABAT PULAU PINANG *PENANG OFFICE*

Unit 4, Tingkat 3, Kompleks Sempilai Jaya,
Jalan Sempilai, 13700 Seberang Jaya,
Pulau Pinang

+604 380 1200

+604 397 3977

penang@niosh.com.my

PEJABAT MANJUNG *MANJUNG OFFICE*

Lot 199, Jalan PPMP 3/4
Pusat Perniagaan Manjung Point 3
32040 Seri Manjung, Perak

+605 689 0701

+605 689 0715

niosh.manjung@gmail.com

PEJABAT WILAYAH SELATAN SOUTHERN REGIONAL OFFICE

PEJABAT JOHOR BAHRU JOHOR BAHRU OFFICE

No. 10, Jalan Persiaran Teknologi
Taman Teknologi Johor 81400 Senai
Johor Bahru

+607 599 1200

+ 607 599 0200

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PEJABAT MELAKA MELAKA OFFICE

Bangunan World Youth Hotel
Lebuh Ayer Keroh
75450 Ayer Keroh, Melaka

+606 232 6805



melaka@niosh.com.my

PEJABAT PENERANG PENERANG OFFICE

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Desaru Utama 81930 Bandar Penawar
Johor

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+607 828 0193

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PEJABAT WILAYAH PANTAI TIMUR EAST COAST REGIONAL OFFICE

PEJABAT KERTEH KERTEH OFFICE

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PEJABAT WILAYAH SARAWAK SARAWAK REGIONAL OFFICE

PEJABAT KUCHING KUCHING OFFICE

Wisma Hamizan, Tingkat Bawah
Lot 851 Sublot 16, Seksyen 65
KTLD Off Jalan Astana Petra Jaya
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sarawak@niosh.com.my

PEJABAT MIRI MIRI OFFICE

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PEJABAT BINTULU BINTULU OFFICE

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97000 Bintulu, Sarawak.

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+6086 315 501
sarawak@niosh.com.my

PEJABAT WILAYAH SABAH SABAH REGIONAL OFFICE

PEJABAT KOTA KINABALU KOTA KINABALU OFFICE

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Blok B, Harbour City, Sembulan
Jalan Pantai Baru
88100 Kota Kinabalu, Sabah

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sabah@niosh.com.my

PEJABAT SANDAKAN SANDAKAN OFFICE

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PEJABAT LABUAN LABUAN OFFICE

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Shermadef Commercial Centre
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87018 Federal Territory Labuan

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+6087 423 255
labuan@niosh.com.my

PEJABAT TAWAU TAWAU OFFICE

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tawau@niosh.com.my

INFO PERKHIDMATAN SERVICE INFORMATION



Customer Service Hotline

Tel: +603 8769 2100 /
+603 8911 3800



Website

www.niosh.com.my



NIOSH Newsletter

Daftar emel di Portal
Newsletter / Email Registration
on Newsletter Portal



Semakan Atas Talian (Keputusan & Jadual Peperiksaan)

*Online checking
(Examination Results & Schedule)*

e-semak dengan Memasukkan Nombor
Kad Pengenalan atau Pasport
e-checking by Keying in MyKad or Passport
Number



Emel dan Saluran Aduan/ Pertanyaan

*Email and Complaint/Enquiry
Channel*
general@niosh.com.my



Pusat Khidmat Pelanggan Ibu Pejabat NIOSH Bandar Baru Bangi

0800 -1700 setiap Isnin hingga Jumaat

**Customer Service Centre
NIOSH Headquarters, Bandar Baru
Bangi**

0800 -1700 every Monday to Friday



Laman Sesawang Media Sosial

Social Media Website

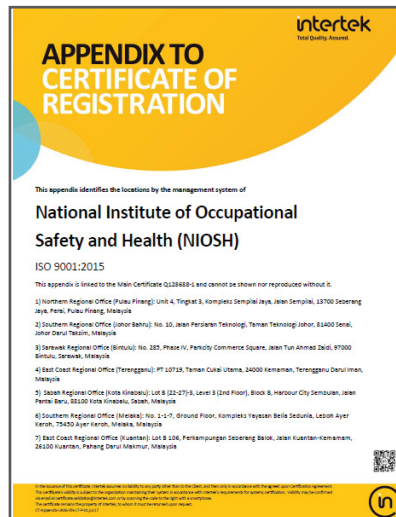
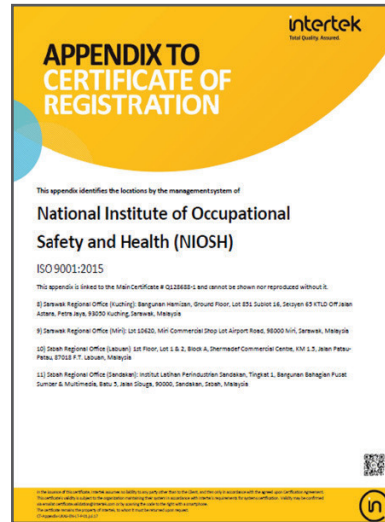
www.facebook.com/nioshmalaysia

PENGIKTIRAFAN RECOGNITION

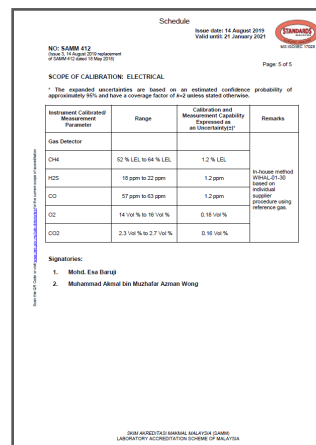
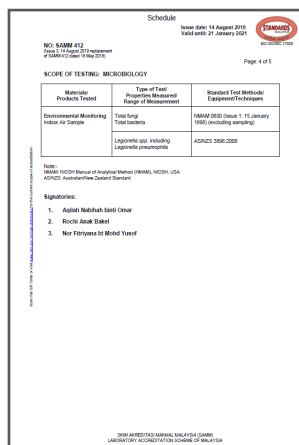
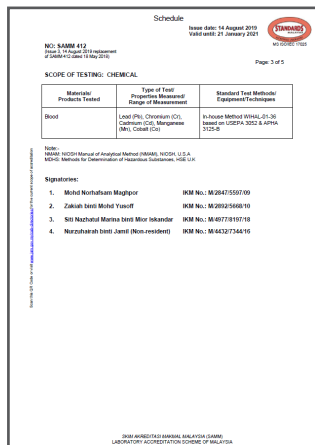
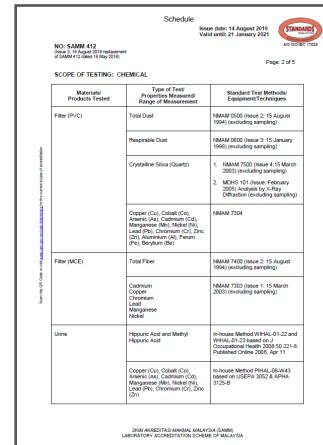
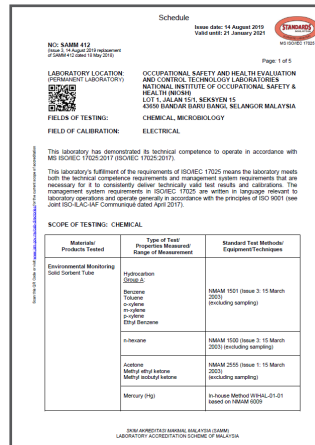


Industrial Hygiene Analytical Laboratory (IHAL) NIOSH menerima anugerah
"IKM Laboratory Excellence Award"
untuk tahun ke-9 berturut-turut bagi kategori "Chemical Testing" pada tahun 2019 .

NIOSH Industrial Hygiene Analytical Laboratory (IHAL) obtained
the "IKM Laboratory Excellence Award" for the 9th consecutive year in
the Chemical Testing category in 2019. .

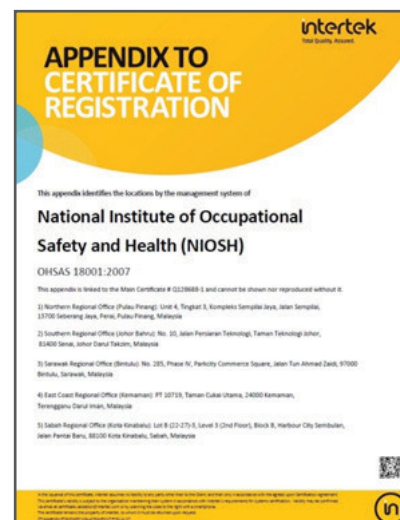
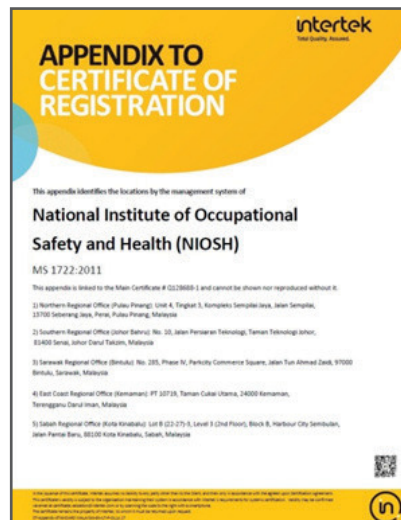


Sijil Pensijilan QMS NIOSH (ISO 9001:2015)
QMS NIOSH (ISO 9001:2015) Certification



Sijil Skim Akreditasi Makmal Malaysia

The Laboratory Accreditation Scheme of Malaysia Certificate



Sijil Pensijilan OHSAS 18001:2007 & MS 1722:2011
OHSAS 18001:2007 & MS 1722:2011 Certification



VISI VISION

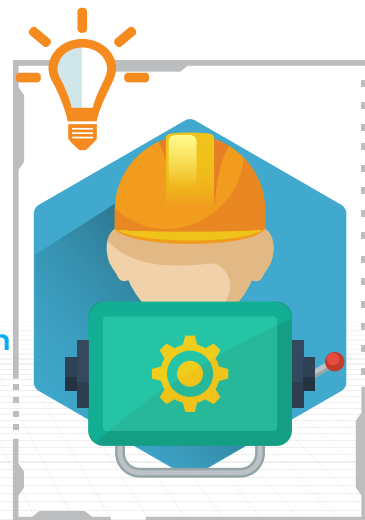
Menjadi pusat kecemerlangan terunggul
Keselamatan dan Kesihatan Pekerjaan di
Malaysia.

*To be a leading centre of excellence in Occupational
Safety and Health in Malaysia.*

MISI MISSION

Menyediakan penyelesaian yang praktikal
dalam bidang Keselamatan dan Kesihatan
Pekerjaan.

*To provide practical solutions in the field of
Occupational Safety and Health.*

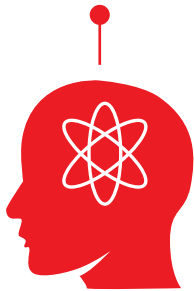


NILAI-NILAI KORPORAT **CORPORATE VALUES**

INTEGRITI **INTEGRITY**

Berpegang teguh
pada nilai moral dan
kejujuran yang tinggi.

*Adhering to the highest
standard of moral values
and honesty.*



INOVATIF **INNOVATIVE**

Sentiasa mencari
idea baru untuk
memperbaiki sistem
penyampaian.

*Always looking for new
ideas to improve the
delivery system.*



HORMAT **RESPECT**

Menghormati setiap
individu dalam
sebarang urusan.

*Respect to every
individual in any
transaction.*



BEKERJASAMA **COLLABORATE**

Semua pihak perlu bekerjasama
dengan penuh kepercayaan bagi
mencapai matlamat.

*All parties must work together in
good faith to achieve the goal.*



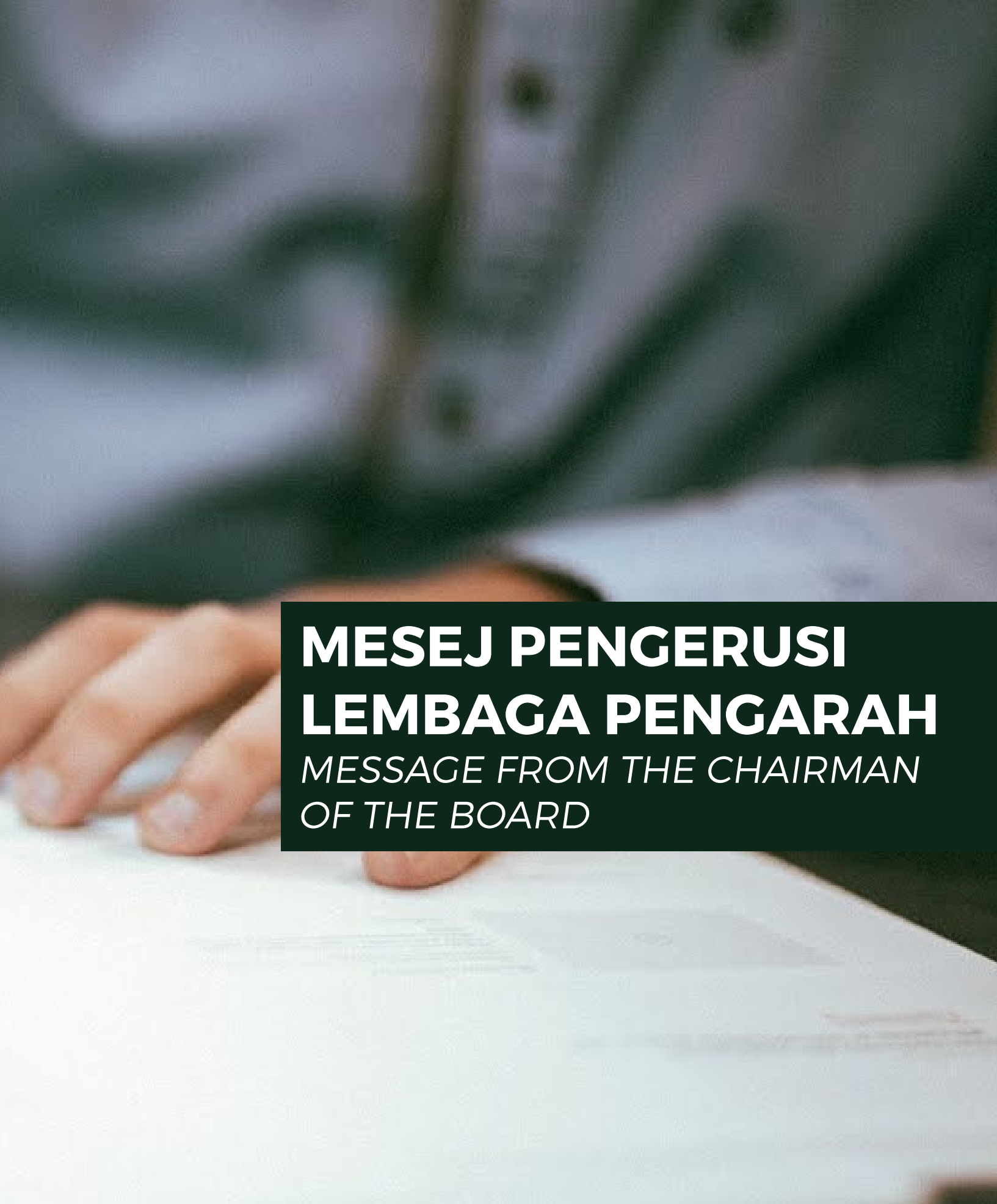
PROFESIONALISME **PROFESSIONALISM**

Kompeten dalam bidang yang
dipertanggungjawabkan dan
melaksanakan tugas dengan cara
yang berkualiti dan berkesan.

*Competent in the respective field
and perform tasks in a quality and
effective manner.*

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MESEJ PENGGERUSI LEMBAGA PENGARAH

*MESSAGE FROM THE CHAIRMAN
OF THE BOARD*

**YB PUAN
ALICE LAU KIONG YIENG**
PENERUS NIOSH
NIOSH CHAIRMAN

MESEJ PENERUS LEMBAGA PENGARAH MESSAGE FROM THE CHAIRMAN OF THE BOARD

Semangat kerja berpasukan, kesungguhan dalam melaksanakan tanggungjawab serta komitmen padu di setiap peringkat membolehkan Institut Keselamatan dan Kesihatan Pekerjaan Negara (NIOSH) sekali lagi berjaya mengharungi pelbagai cabaran dan perubahan yang berlaku sepanjang tahun 2019 dengan cemerlang.

Saya amat berbangga apabila warga NIOSH memilih untuk melihat perubahan yang berlaku dari sudut positif dan menjadikan cabaran yang hadir sebagai motivasi untuk meningkatkan prestasi dan melepasi sasaran yang ditetapkan oleh Lembaga Pengarah dan pihak pengurusan NIOSH.

Sokongan padu serta kerja keras semua pihak akhirnya membuahkan hasil apabila pendapatan yang direkodkan NIOSH pada tahun 2019 adalah lebih tinggi berbanding sasaran yang ditetapkan.

Apa yang lebih membanggakan, ada di antara pejabat wilayah dan satelit yang mampu melepasi sasaran yang ditetapkan dengan cemerlang dan ia seharusnya menjadi penanda aras kepada yang lain untuk meningkatkan prestasi masing-masing.

Walaupun hanya mengambil alih tugas Pengerusi NIOSH di suku akhir 2019, saya dapat melihat kesungguhan warga NIOSH memberikan perkhidmatan terbaik dalam semua bidang utama iaitu latihan, konsultasi, penyelidikan dan pembangunan (R&D), peperiksaan dan juga penyebaran maklumat.

Sekalung tahniah ingin saya sampaikan kepada warga NIOSH kerana berjaya mengekalkan prestasi cemerlang manakala ucapan terima kasih yang tidak terhingga untuk semua pihak yang telah memberikan sokongan padu termasuk Kementerian Sumber Manusia dan agensi-agensi di bawahnya.

Team work, enthusiasm and commitment have once again enabled the National Institute of Occupational Safety and Health (NIOSH) to succeed in weathering challenges and changes in 2019.

I am proud that the NIOSH team opted to react positively to the changes and also take the challenges as a motivation to boost their performance and as such go beyond the goals set by the Directors and Management of NIOSH.

Continuous support and hard work from all parties paid off when NIOSH recorded higher income in 2019.

We are also proud to announce that there are excellent regional and satellite offices which had exceeded the target and thus serve as a benchmark to others to improve their performance.

Despite taking over my duty as NIOSH Chairman on third quarter of 2019, I could see the seriousness of NIOSH team in giving their best service in all key areas including training, consultancy, research and development (R&D), examination and information dissemination.

I would like to congratulate the NIOSH team for successfully maintaining their outstanding performance, as well as expressing my utmost gratitude to all the parties that have given their firm support including the Ministry of Human Resources and the agencies under its purview.

Sepanjang tahun 2019, NIOSH juga tidak melupakan tanggungjawabnya untuk membantu kerajaan melaksanakan segala inisiatif di bawah Pelan Induk Keselamatan dan Kesihatan Pekerjaan 2016-2020 yang bertemakan budaya pencegahan

Warga NIOSH turut memberikan komitmen kepada Dasar Keselamatan dan Kesihatan Pekerjaan Negara (DKKPN) yang telah ditandatangani oleh Perdana Menteri, YAB Tun Dr. Mahathir bin Mohamad pada 15 Januari 2019, di mana kerajaan berfungsi sebagai ejen perubahan kepada pembentukan budaya pencegahan di tempat kerja.

Untuk menjayakannya, NIOSH meneruskan usaha menerapkan budaya pencegahan kemalangan dan penyakit pekerjaan di semua sektor selain merakyatkan Keselamatan dan Kesihatan Pekerjaan (KKP) melalui pelbagai program di seluruh negara yang melibatkan pekerja dan orang awam.

NIOSH juga tidak melupakan tanggungjawabnya untuk membantu mereka yang kurang berkemampuan dengan memperkenalkan pelbagai program khas untuk Kumpulan B40.

Walaupun program sebegini tidak mendatangkan keuntungan dalam bentuk wang ringgit, ia merupakan pelaburan jangka panjang dan sebahagian daripada tanggungjawab sosial korporat NIOSH.

NIOSH juga telah menjalin kerjasama dengan 13 organisasi dalam dan luar negara sepanjang tahun 2019. Ia merupakan sebahagian usaha meningkatkan jaringan antarabangsa yang sebelum ini dimeterai dengan JICA, OIC OSHNet, Asean OSHNet, NIOSH USA, FIOH (Finland) dan IOSH UK.

Adalah menjadi harapan saya agar warga kerja NIOSH akan terus bekerja keras agar ia mampu mencapai sasaran lebih tinggi yang ditetapkan untuk tahun-tahun mendatang.

Throughout 2019, NIOSH has not forgotten its responsibility in assisting the government to implement initiatives to acculturate prevention under the Occupational Safety and Health Master Plan 2016-2020.

NIOSH is also committed in realising the National Occupational Safety and Health Policy signed by the Prime Minister YAB Tun Dr. Mahathir bin Mohamad on 15 January 2019, in which the government acts as the transformation agent to promote prevention culture at workplace.

As such, NIOSH continues its effort to inculcate accident prevention and occupational disease prevention culture in all sectors apart from acculturating Occupational Safety and Health (OSH) through various programmes which involves employees and the public.

Not forgetting its responsibility in assisting the less-fortunate people, NIOSH has also introduced special programmes tailored for the B40 Group.

Even though such programmes are not bringing in monetary profit, they represent our long-term investment and are also part of NIOSH corporate social responsibility.

Throughout 2019, NIOSH has collaborated with 13 domestic and international organizations. It is also part of NIOSH effort to expand our international network which has enabled us to collaborate with JICA, OIC OSHNet, Asean OSHNet, NIOSH USA, FIOH (Finland) and IOSH UK.

I hope that NIOSH's staff will continue to work hard to achieve a higher target for years to come.

Saya amat yakin warga NIOSH mampu mencapai sasaran tersebut di samping terus melaksanakan amanah dan tanggungjawabnya kepada negara dan rakyat dengan sokongan padu Lembaga Pengarah dan pihak pengurusan.

Sekian terima kasih.

YB Puan Alice Lau Kiong Yieng

I truly believe NIOSH's staff is capable to achieve the target whilst carrying out the duties entrusted to them to the country with full support from the Board of Directors and Management Team.

Thank you.

YB Puan Alice Lau Kiong Yieng

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MESEJ PENGARAH EKSEKUTIF

*MESSAGE FROM THE EXECUTIVE
DIRECTOR*



HAJI AYOP BIN SALLEH

PENGARAH EKSEKUTIF NIOSH
NIOSH EXECUTIVE DIRECTOR

MESEJ PENGARAH EKSEKUTIF MESSAGE FROM EXECUTIVE DIRECTOR

Assalamualaikum w.b.t. dan Salam Sejahtera.

Syukur kepada Allah SWT di atas pencapaian aktiviti NIOSH bagi tahun 2019 dengan pencapaian keseluruhan sebanyak 108%.

Ucapan penghargaan dan terima kasih juga harus diberikan kepada Kementerian Sumber Manusia (KSM) dan Ahli Lembaga Pengarah NIOSH di atas kepercayaan dan sokongan demi memastikan NIOSH mencapai objektif penubuhannya dan terus berada di atas platform yang ditetapkan oleh kerajaan.

Walaupun terdapat pelbagai cabaran di dalam dan luar organisasi, NIOSH mampu meningkatkan prestasi terutamanya dalam bidang latihan, peperiksaan dan rundingan.

Aktiviti latihan telah berjaya mencatat 8,409 bilangan kursus yang telah berjaya dilaksanakan untuk pelbagai industri dengan pencapaian sebanyak 121%, dengan bilangan peserta seramai 179,709 orang. Aktiviti Peperiksaan dan Persijilan telah menganjurkan 3,695 peperiksaan dan penilaian pelbagai kompetensi dan jurulatih dengan jumlah calon seramai 65,744 orang dalam tempoh yang sama. Bagi khidmat rundingan, pencapaian sebanyak 102% dengan 1,247 projek berjaya dilaksanakan. Perkhidmatan Pematuhan Perundangan Keselamatan dan Kesihatan Pekerjaan (KKP) berjaya mencatatkan pencapaian sebanyak 136%.

All praises to Allah SWT on the achievement of NIOSH activities of 108% for the year 2019.

My special appreciation and thanks go to the Ministry of Human Resources and NIOSH Board of Directors for their trust and support to ensure NIOSH achieves its objectives and remains on the right track as set by the government.

Despite the internal and external challenges, NIOSH has successfully improved its achievement in all key areas especially training, examination and consultancy.

A total of 8,409 training programmes were conducted for various industries which indicated a 121% performance involving 179,709 participants. During the same period, the Examination and Certification Division conducted 3,695 examinations and assessments on various competencies and trainers with 65,744 candidates. A total of 1,247 projects representing a performance of 102% were implemented by the consultancy services. The Occupational Safety and Health Legislative Compliance Service showed a 136% achievement.

Pembangunan Pusat Penilaian Hazard dan Teknologi Kawalan KKP (OSHECT), di bawah Rancangan Malaysia Ke-11, Kerajaan Malaysia melalui KSM telah berjaya dilaksanakan mengikut perancangan dengan empat makmal telah berjaya dibangunkan dan beroperasi dengan baki dua makmal akan disiapkan pada 2020.

Saya juga ingin mengambil kesempatan ini untuk menzahirkan penghargaan kepada pelanggan-pelanggan NIOSH di atas kepercayaan yang diberi bagi menyediakan perkhidmatan di dalam mewujudkan persekitaran kerja yang selamat dan sihat di tempat kerja.

Penghargaan dan tahniah ditujukan juga kepada barisan pengurusan serta kakitangan di atas usaha dan komitmen yang tinggi kerana berjaya merealisasikan sasaran 2019. Semoga komitmen yang sama akan diberi ditahun mendatang.

Sekian, terima kasih.

HAJI AYOP BIN SALLEH
PENGARAH EKSEKUTIF NIOSH

The government, in its 11th Malaysia Plan through the Ministry of Human Resources, has successfully implemented as planned the OSH Hazard Evaluation and Control Technology Centre (OSHECT) with the development of four laboratories which are already in operation, while two laboratories are due for completion in 2020.

I also wish to take this opportunity to express my gratitude to NIOSH's clients for the trust given to us to help create safe and healthy work environment at their respective workplace.

My appreciation and congratulations are also extended to the management team and staff of NIOSH for their endless effort and commitment which had enabled us to achieve the 2019 target. It is hoped that the same commitment will be maintained in years to come.

Thank you.

HAJI AYOP BIN SALLEH
NIOSH EXECUTIVE DIRECTOR



LAPORAN TAHUNAN NIOSH 2019

NIOSH Annual Report

INSTITUT KESELAMATAN DAN KESEHATAN PEKERJAAN NEGARA
NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH (NIOSH)

The background image shows the silhouettes of several people sitting at a long table in a meeting room. Large windows in the background let in bright light, creating a high-contrast scene. The people are mostly seen from behind or in profile, engaged in discussion or looking at documents. The overall color palette is dominated by the warm tones of the light coming through the windows and the dark silhouettes of the participants.

LEMBAGA PENGARAH DAN KUMPULAN PENGURUSAN

*BOARD OF DIRECTORS AND THE
MANAGEMENT TEAM*

YB Alice Lau Kiong Yieng
Pengerusi / Chairman
(bermula / commencing 21 Sept 2019)

YBhg. Tan Sri Lee Lam Thye
Pengerusi / Chairman
(sehingga / until 20 Sept 2019)

Tuan Haji Encik Ayop bin Salleh
Pengarah Eksekutif / Executive Director

Encik Gunasegaran A/L Kandaswamy
Naib Pengerusi / Vice Chairman

Mejar Haji Hanif bin Maidin (B)
Setiausaha Eksekutif / Executive Secretary

**YBhg. Dato' Sri Dr. Mohammed
Azman bin Aziz Mohammed**
(sehingga / until 20 Sept 2019)

LEMBAGA PENGARAH NIOOSH BOARD OF DIRECTORS

**YBhg. Datuk Haji Shamsuddin
bin Bardan**

Puan Zamzarina binti Abu Bakar

Encik Matdiah bin Mohamad
(bermula / commencing 28 June 2019)

En. Matkar bin Siwang
(sehingga / until 20 Sept 2019)

Puan Chan Suet Fun
(bermula / commencing 21 Aug 2019)

Dr. Abu Hasan bin Samad

YBhg. Dato' Dr. Chong Chee Kheong

Prof. Dr. Ismail bin Bahari

Ir. Fuad bin Abas
(sehingga / until 27 June 2019)

Dr. Tan Guat Lin Evelyn

Dr. Nur Dalilah binti Dahlan

JAWATANKUASA PERJAWATAN ESTABLISHMENT COMMITTEE

- ▶ YBhg. Datuk Haji Shamsuddin bin Bardan
Pengerusi/Chairman
- ▶ YBhg. Dato' Sri Dr. Mohammed Azman bin Aziz Mohammed
(sehingga / untill 20 Sept 2019)
- ▶ Tn. Hj. Ayop bin Salleh
- ▶ Mej. Hj. Hanif bin Maidin (B)
- ▶ Urus setia
Pn. Noorliza Idawati binti Mat Nayan

JAWATANKUASA KEAHLIAN MEMBERSHIP COMMITTEE

- ▶ YBhg. Dato' Dr. Chong Chee Kheong
Pengerusi/Chairman
- ▶ Ir. Fuad bin Abas
(sehingga/untill 27 June 2019)
- ▶ Mej. Hj. Hanif Maidin (B)
- ▶ En. Matdiah bin Mohammad
(bermula/commencing 28 June 2019)
- ▶ Urus setia
Puan Heina Faeza Abdul Wahid

JAWATANKUASA KEWANGAN FINANCE COMMITTEE

- ▶ YBhg. Dato' Sri Dr. Mohammed Azman bin Aziz Mohammed
(sehingga / untill 20 Sept 2019)
Pengerusi/Chairman
- ▶ YBhg. Datuk Haji Shamsuddin bin Bardan
- ▶ YBhg. Dato' Dr. Chong Chee Kheong
- ▶ Tn. Hj. Ayop bin Salleh
- ▶ Mej. Hj. Hanif bin Maidin (B)
- ▶ Urus setia
Pn. Norismalina binti Ishak

JAWATANKUASA PENYELIDIKAN DAN PEMBANGUNAN RESEARCH AND DEVELOPMENT COMMITTEE

- ▶ Dr. Abu Hasan bin Samad
Pengerusi/Chairman
- ▶ Prof. Dr. Ismail bin Bahari
- ▶ Dr. Tan Guat Lin Evelyn
- ▶ Dr. Nur Dalilah binti Dahlan
- ▶ Tn. Hj. Ayop bin Salleh
- ▶ Urus setia
En. Khairunnizam Mustapa

JAWATANKUASA PEMBANGUNAN PERNIAGAAN BUSINESS DEVELOPMENT COMMITTEE

- ▶ **Prof Dr Ismail bin Bahari**
Pengerusi/Chairman
- ▶ **YBhg. Datuk Haji Shamsuddin bin Bardan**
- ▶ **Dr. Abu Hasan bin Samad**
- ▶ **Dr. Tan Guat Lin**
- ▶ **Dr. Nur Dalilah bin Dahlan**
- ▶ **Tn. Hj. Ayop bin Salleh**
- ▶ **Mej. Hj. Hanif Maidin (B)**
- ▶ **Urus setia**
En. Mohd Hussin bin Abd Salam

JAWATANKUASA PENCALONAN NOMINATION COMMITTEE

- ▶ **YBhg. Datuk Hj Shamsuddin bin Bardan**
Pengerusi/Chairman
- ▶ **YBhg. Dato' Sri Dr. Mohammed Azman bin Aziz Mohammed**
(sehingga/until 20 Sept 2019)
- ▶ **YBhg. Dato' Dr. Chong Chee Kheong**
- ▶ **Tn. Hj. Ayop bin Salleh**
- ▶ **Mej. Hj. Hanif bin Maidin (B)**
- ▶ **Urus setia**
Pn. Roziah binti Abdul Rashid
Setiausaha Syarikat

JAWATANKUASA AUDIT DALAMAN INTERNAL AUDIT COMMITTEE

- ▶ **Puan Zamzarina bin Abu Bakar**
Pengerusi/Chairman
- ▶ **Encik Gunasegaran A/L Kandaswamy**
- ▶ **Encik Matkar bin Siwang**
(sehingga/until 20 Sept 2019)
- ▶ **Puan Chan Suet Fun**
(bermula/commencing 21 Aug 2019)
- Ex Officio**
- ▶ **Tn. Hj. Ayop bin Salleh**
- ▶ **Mej. Hj. Hanif Maidin (B)**
- ▶ **Urus setia**
Pn. Salwati binti Abdul Rahman

PENGARAH & SETIAUSAHA EKSEKUTIF EXECUTIVE DIRECTOR AND SECRETARY

- ▶ **Tuan Haji Ayop bin Salleh**
Executive Director
- ▶ **Mejar Haji Hanif bin Maidin (B)**
Executive Secretary

KETUA BAHAGIAN HEAD OF DIVISIONS

- ▶ **Shahir bin Addenan**
Manager
Quality Management Division
- ▶ **Siti Faranez binti Harun**
Manager
Examination and Certification Division
- ▶ **Mohd Hussin bin Abd Salam**
Manager
Business and Marketing Division
- ▶ **Mohamad Redzuan Shah bin Masri**
Manager
Programme Development Division
Head
Ergonomic Excellence Centre (Vacant)
- ▶ **Salwati binti Abdul Rahman**
Head
Internal Audit Unit
- ▶ **Ezatul Farina binti Harun**
Head
Integrity & Governance Unit

BAHAGIAN KORPORAT CORPORATE DEPARTMENT

- ▶ Corporate Services and Support Department
- ▶ General Manager (Vacant)
- ▶ Senior Manager (Vacant)
- ▶ Manager, Administration and Facilities Division (Vacant)
- ▶ **Norismalina binti Ishak**
Manager
Finance and Procurement Division

- ▶ **Haji Shahronizam bin Noordin**
Manager
Information Dissemination Division
- ▶ **Noorliza Idawati binti Mat Nayan**
Manager
Human Resource Division
- ▶ **Azmi bin Jamaludin @ Aman Shah**
Manager
Project Management Division
- ▶ **Mohd Rashidi bin Rohmad**
Manager
Information and Technology Division

BAHAGIAN OPERASI OPERATION DEPARTMENT

- ▶ **Khairunnizam bin Mustapa**
General Manager
Consultation, Research & Development Department
- ▶ General Manager (Vacant)
Education and Training Department & Regional Offices
- ▶ **Saupi Nazri bin Mamat**
Senior Manager
Education and Training Department & Regional Offices
- ▶ **Siti Badariah binti Abu Bakar**
Manager
Education and Regulatory Competency Division
- ▶ **Siti Zainatul Arafah binti Mat Zin**
Manager
Safety Induction and Awareness Division
- ▶ **Norazman bin Bakrun**
Manager
Safety Skills Competency Division

PEJABAT WILAYAH REGIONAL OFFICES

- ▶ **Hisyamuddin bin Mohamad**
Manager
East Coast (Kerteh & Kuantan)
- ▶ **Rosliza binti Osman**
Manager
Northern (Penang & Manjung)
- ▶ **Haji Muhammad Zaeem bin Mokhtar**
Manager
Southern (Johor Bahru, Malacca & Pengerang)
- ▶ **Wan Sarman @ Wan Salman bin Sakan**
Manager
Sabah (Kota Kinabalu, W.P Labuan, Sandakan & Tawau)
- ▶ **Normiza binti Suhaili**
Manager
Sarawak (Kuching, Bintulu & Miri)

PEJABAT SATELIT SATELLITE OFFICES

- ▶ **Adly Azmin bin Junet**
Head
East Coast Regional Office (Kuantan)
- ▶ **Muhd Amin Alamin bin Salam**
Head
Northern Regional Office (Manjung)
- ▶ **Head**
Southern Regional Office (Malacca)
- ▶ **Nizwan Shah bin Ngarib**
Head
Southern Regional Office (Pengerang)
- ▶ **Mohd Fazrin bin Joronain @ Jurnain**
Head
Sabah Regional Office (W.P Labuan)
- ▶ **Head**
Sabah Regional Office (Sandakan)
- ▶ **Sarbanon binti Japar**
Head
Sabah Regional Office (Tawau)
- ▶ **Nurshirwan bin Ahmad**
Head
Sarawak Regional Office (Bintulu)
- ▶ **Nuraida binti Waslee**
Head
Sarawak Regional Office (Miri)

PAKAR TEKNIKAL TECHNICAL EXPERTS

Consultant, Research and Development Department

- ▶ **Haji Fadzil bin Osman**
Technical Expert I
- ▶ **Haji Mohd Esa bin Baruji**
Technical Expert I

Regulatory Compliance

- ▶ **Dr. Muhamad Ariff bin Muhamad Noordin**
Technical Expert III
- ▶ **Shahrulnizam bin Jamen**
Technical Expert III
- ▶ **Nor Mohd Razif bin Noraini**
Technical Expert III
- ▶ **Mohd Norhafsam bin Maghpor**
Technical Expert III
- ▶ **Dewililah Sapriah binti Yosof**
Technical Expert III

OSH Solutions

- ▶ **Azhar bin Ahmad**
Technical Expert III

Advisory Services

- ▶ **Raemy bin Md Zein**
Technical Expert III
- ▶ **Siti Nuraini binti Hassan**
Technical Expert III

Applied Research

- ▶ **Yuzainie bin Yusof**
Technical Expert II
- ▶ **Amiruddin bin Abdul Aziz**
Technical Expert II
- ▶ **Baderin bin Othman**
Technical Expert III

NIOSH Certification Sdn.Bhd

- ▶ **Syamsul Zahrin bin Zainuddin**
General Manager
- ▶ **Amirthasamy a/l Mahalingam**
Sr. Operation Manager
- ▶ **Asiah Nasution binti Suhaimi**
Certification Manager
- ▶ **Muhammad Fadhil bin Abu Bakar**
Business Development Manager
- ▶ **Azizie bin Hj Hamid**
Training Manager
- ▶ **Bahtiar bin Basari**
Corporate Manager

A worker wearing a white hard hat and a high-visibility yellow-green vest over a light blue shirt is shown from the back. They are looking at a futuristic, semi-transparent digital interface that displays various data visualizations, including a circular gauge, a grid of data points, and a world map with connecting lines. The background is a blurred industrial setting with red and blue structures.

LAPORAN TAHUNAN NIOSH

2019

NIOSH Annual Report

INSTITUT KESELAMATAN DAN KESIHATAN PEKERJAAN NEGARA
NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH (NIOSH)



LATIHAN

TRAINING

LATIHAN

Program latihan yang dikendalikan oleh NIOSH telah mendapat pengiktirafan daripada Jabatan Keselamatan dan Kesihatan Pekerjaan (JKKP), persatuan industri, pengamal OSH, rakan antarabangsa dan pekerja pada umumnya. Selain memastikan kompetensi pegawai yang berdaftar, program latihan NIOSH juga diperluas kepada eksekutif kanan, ahli jawatankuasa keselamatan dan kesihatan, penyelia keselamatan, pekerja kontraktor umum, ahli akademik dan lain-lain individu yang berkepentingan.

Aktiviti latihan boleh dibahagikan kepada tiga aktiviti utama iaitu pelaksanaan program latihan, pembangunan dan semakan modul latihan, dan pemantauan dan penilaian aktiviti latihan.

TRAINING

NIOSH training programmes have gained the recognition of the Department of Occupational Safety and Health (DOSH), industrial associations, OSH practitioners, international affiliates, and employees in general. Besides ensuring the competency of registered personnel, NIOSH training programmes have also been expanded to include senior executives, safety and health committee members, safety supervisors, contractor general workers, academicians, and other relevant stakeholders.

Training activities are divided into three main segments, namely, Implementation of Training Programmes, Development & Review of Training Modules and Monitoring & Assessment of Training Activities.

PRESTASI AKTIVITI LATIHAN

Pada tahun 2019 sebanyak 8,409 program telah berjaya dilaksanakan untuk pelbagai industri di Ibu Pejabat NIOSH dan cawangan-cawangannya dengan jumlah pencapaian sebanyak 121%.

PERFORMANCE OF TRAINING ACTIVITIES

In 2019, a total of 8,409 programmes were successfully conducted for various industries at NIOSH Headquarters and its Regional Offices, with a total achievement of 121%

Bil. No.	Jenis Kursus Type of Course	Bilangan Program Number of Programmes	Bilangan Peserta Number of Participants
1.	Program untuk Pengamal OSH Programmes for OSH practitioners	322	6,313
2.	Program Persijilan / Kompetensi Certification / Competency Programmes	2,967	46,777
3.	Program Jurulatih Trainer's Programmes	62	849
4.	Program Passport Keselamatan NIOSH NIOSH Safety Passport Programmes	5,058	125,770
	Jumlah Keseluruhan Grand Total	8,409	179,709

Jadual 1 : Jumlah Program Latihan dan Bilangan Peserta
Table 1: Number of Training Programmes and Participants

KATEGORI AKTIVITI LATIHAN NIOSH

1. Program Persijilan / Kompetensi

Sebanyak 2,967 Program Persijilan/ Kompetensi telah dilaksanakan dengan bilangan peserta seramai 46,777 orang. Antara program-program yang mendapat sambutan yang tinggi daripada industri ialah Program Persijilan Pegawai Keselamatan dan Kesihatan (SHO), Program Penyelia Keselamatan Tapak dan Program Keselamatan Ruang Terkurung dan lain-lain program persijilan.

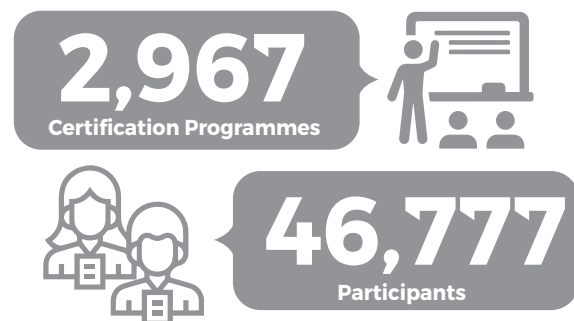


Program Latihan Pegawai Keselamatan dan Kesihatan (SHO) NIOSH telah diiktiraf oleh Jabatan Keselamatan dan Kesihatan Pekerjaan (JKKP) dan industri pekerjaan dalam dan luar negara. Program latihan ini diwujudkan bagi membekalkan tenaga kerja mahir dan kompeten dalam industri keselamatan dan kesihatan pekerjaan. Peranan Pegawai Keselamatan dan Kesihatan ada dinyatakan dengan jelas dalam Akta Keselamatan dan Kesihatan Pekerjaan (AKKP 1994).

CATEGORIES OF NIOSH TRAINING ACTIVITIES

1. Certification / Competency Programmes

A total of 2,967 Certification / Competency Programmes were carried out with the combined involvement of 46,777 participants. Among the programmes that received overwhelming response from the industry were the Safety and Health Officer (SHO) Certification Programme, Site Safety Supervisor Programme, Confined Space Safety Programme, and others.



The Safety and Health Officer (SHO) Training Programme has been recognised by the Department of Occupational Safety and Health (DOSH) and the OSH industry from both local and abroad. The training programme was developed to provide skilled and competent workforce in the OSH industry. The role of SHO is clearly stated in the Occupational Safety and Health Act (OSHA) 1994

Selain itu, objektif kursus latihan ini di adalah untuk meningkatkan kesedaran di dalam Keselamatan dan Kesihatan Pekerjaan (KKP) bagi mencapai sasaran negara maju yang mempunyai statistik kemalangan pekerjaan yang rendah. Kursus ini dijalankan selama 22 hari dan para peserta perlu lulus empat kertas peperiksaan serta mempunyai pengalaman tiga tahun dalam bidang keselamatan dan kesihatan pekerjaan bagi melayakkan mereka mendaftar sebagai orang Yang Kompeten (OYK)

Moreover , the objective of this training course is to increase the awareness on Occupational Safety and Health (OSH), in order to achieve the country's aim of becoming a developed nation with a low rate of work-related accidents. The course is conducted for a period of 22 days and the participants need to pass four exam papers and possess three years experience in the OSH field to be eligible to register as a Competent Person.

PROGRAM LATIHAN SHO



SHO TRAINING PROGRAMME



Kursus Bekerja Selamat di Tempat Tinggi di Gegar Vaganza

Bahagian Kompetensi Kemahiran Keselamatan dikejutkan apabila salah seorang tenaga pengajar Kursus Bekerja Selamat di Tempat Tinggi (WAH) En. Rohisham Hashim atau lebih dikenali sebagai ShamVisa menyertai program anjuran ASTRO iaitu Gegar Vaganza.

Safe Working at Height Course @ Gegar Vaganza

The Safety Skill Competency Division got a pleasant surprise when one of the trainers for Safe Working at Height Course, Mr Rohisham Hashim better known as ShamVisa participated in Gegar Vaganza, a reality ASTRO programme.



Sesi pembelajaran dan praktikal

Learning and practical session

Program Keselamatan Pemanduan Berhemah untuk PDRM Bukit Aman dengan kerjasama MITSUBISHI MOTORS

Satu program Keselamatan Pemanduan Berhemah telah dijalankan untuk Polis Diraja Malaysia Bukit Aman dengan kerjasama Mitsubishi Motors. Program tersebut dijalankan sebanyak empat sesi bermula 28-29 & 30-31 Oktober dan 4-5 & 6-7 November 2019 serta melibatkan seramai 145 orang kakitangan polis trafik dan unit kenderaan PDRM dari seluruh Malaysia. Majlis penutup program ini telah disempurnakan oleh Supt. Shafie Bin Shariff - Penolong Pengarah Pengangkutan Jabatan Sumber Strategik dan Teknologi (StaRT), PDRM Bukit Aman.

Defensive Driving Safety Programme for Bukit Aman PDRM in collaboration with MITSUBISHI MOTORS

Defensive Driving Safety Programme was held for Royal Malaysia Police Bukit Aman in collaboration with Mitsubishi Motors. The programme was conducted in four sessions from 28-29 & 30-31 October and 4-5 & 6-7 November 2019 involving a total of 145 PDRM traffic police and staff from the transport unit throughout the nation. The closing ceremony was officiated by Supt. Shafie bin Shariff, Deputy Transportation Department, Bukit Aman Strategic Resources and Logistic Department (StaRT).



Majlis penutup program Keselamatan Pemanduan Berhemah - PDRM dengan kerjasama Mitsubishi Motors

The closing ceremony of Defensive Driving Safety Program - Royal Malaysia Police in collaboration with Mitsubishi Motors.

Program Kursus Keselamatan Pengendalian Trak Angsun untuk Jabatan Kastam Diraja Malaysia

Bahagian Kompetensi Kemahiran Keselamatan telah menganjurkan kursus Keselamatan Pengendalian Trak Angsun pada 12-14 dan 25-27 November 2019 untuk kakitangan Jabatan Kastam Diraja Malaysia. Program yang dianjurkan ini melibatkan kakitangan Kastam seluruh Malaysia yang terlibat secara langsung mengendalikan Trak Angsun di premis Kastam di gudang penyimpanan barang rampasan khasnya.

Safe Handling of Forklift Truck for Royal Malaysian Customs Department

The Safety Skills Competency Division organized a course on safe Handling of Forklift Truck for the Royal Malaysian Customs Department on 12-14 and 25-27 November 2019. The participants for this programme consist of Customs staff from all over Malaysia directly involved in handling forklifts especially in the Customs seized goods warehouse premise.

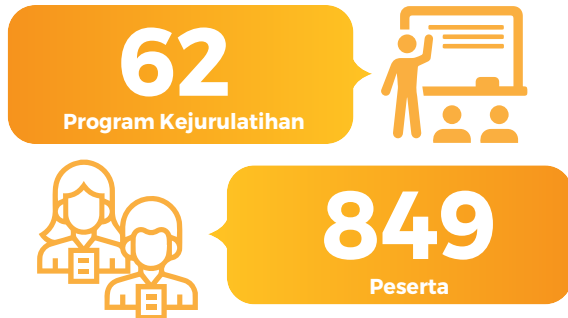


Majlis penutup dan penyerahan sijil Kursus Keselamatan Pengendalian Trak Angsun anggota Jabatan Kastam Diraja Malaysia

Closing Ceremony for the Course on Safe Handling of Forklift Truck for Customs Personnel.

2. Program Kejurulatihan

Sebanyak 62 program kejurulatihan telah dijalankan di seluruh Malaysia dengan jumlah peserta seramai 849 orang bagi tahun 2019.

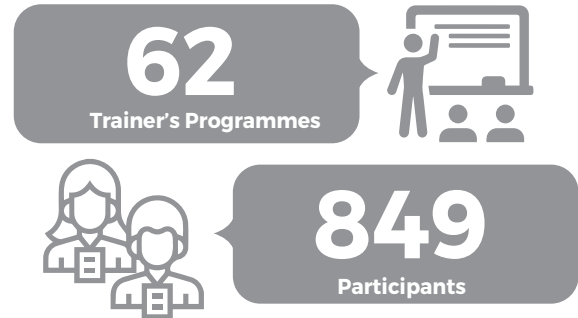


Program Pembangunan Jurulatih yang dijalankan oleh Bahagian Kompetensi Kemahiran Keselamatan (SSCD)

Sebanyak 53 Program Kejurulatihan telah dijalankan di Menara NIOSH (Ibu Pejabat) dengan jumlah peserta seramai 714 orang.

2. Trainer's Programmes

A total of 62 programmes have been conducted across Malaysia with the total involvement of 849 participants for the year 2019.



The Trainers Development Programme Conducted by The Safety Skill Competency Division

A total of 53 programmes were conducted at NIOSH Tower (Headquarters) involving 714 participants.



Program Kejurulatihan di Makmal Komputer, Menara NIOSH
Trainers Programme held in Computer Laboratory, NIOSH Tower

Sebanyak satu Program Kejurulatihan masing-masing telah dijalankan di premis pelanggan di Wisma Tenaga Nasional Berhad di Seremban dan sebanyak satu Program Kejurulatihan bagi EDGENTA PROPEL dijalankan di NIOSH dan dua Program Kejurulatihan - Passport bagi syarikat EDGENTA PROPEL dan CENVIRO .

One Trainer's Programme was each held in Wisma Tenaga Nasional Berhad in Seremban and EDGENTA PROPEL in NIOSH, while two Trainer's Programmes - Passport were held for EDGENTA PROPEL and CENVIRO.



Program Kejurulatihan di Wisma Tenaga Nasional Berhad, Seremban

Trainer's Programme held in Wisma Tenaga Nasional Berhad in Seremban

3. Program Passport Keselamatan

Program Passport Keselamatan merupakan Program Induksi Keselamatan yang mula dilaksanakan sejak tahun 1997 lagi. Program latihan ini dibangunkan khusus untuk pekerja-pekerja kontraktor di Malaysia. Program yang memperuntukkan latihan dan penilaian dibangunkan bagi memastikan kumpulan yang disasarkan mendapat pengetahuan berkenaan keperluan KKP yang bersesuaian bagi memenuhi keperluan undang-undang dan polisi syarikat.

Sehingga kini, sepuluh program passport keselamatan telah dibangunkan dan dilaksanakan seperti Pasport Keselamatan Minyak & Gas (OGSP), Pasport Keselamatan NIOSH-TNB (NTSP) dan Pasport Keselamatan NIOSH-TM (NTMSP), termasuk program baharu yang dilaksanakan.

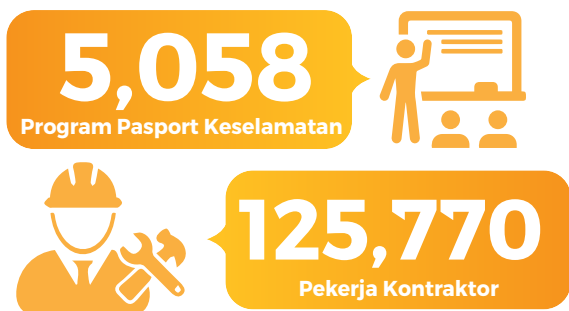
3. Safety Passport Programme

The Safety Passport Programme is a Safety Induction Programme which has been implemented since the year 1997. This training programme was developed specifically for contractors in Malaysia. The programme consists of training and assessment and it was designed to ensure that the target group will gain relevant knowledge on the necessary OSH requirements to meet the regulations and company policy.

To date, ten safety passport programmes, including new ones, have been developed and implemented such as the Oil & Gas Safety Passport (OGSP), NIOSH-TNB Safety Passport (NTSP), and NIOSH-TM Safety Passport (NTMSP).

Pada tahun 2019, NIOSH telah melatih seramai 125,770 pekerja kontraktor dan sebanyak 5,058 program pasport keselamatan telah dijalankan di seluruh Malaysia.

In 2019, NIOSH has trained 125,770 contractor workers, while 5,058 safety passport programmes have been held throughout Malaysia.



SESI LATIHAN KURSUS-KURSUS SAFETY PASSPORT (NTSP, OGSP, SRSP, PRHP & EOSP)

NIOSH Safety Passport Training (NTSP, OGSP, SRSP, PRHP & EOSP)



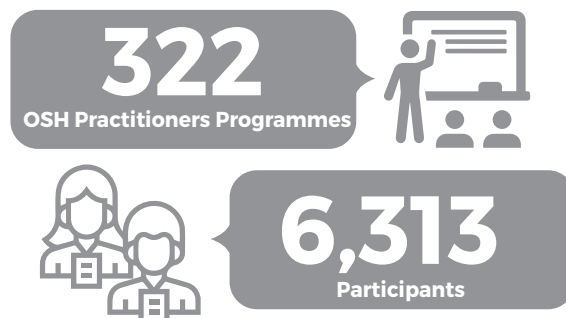
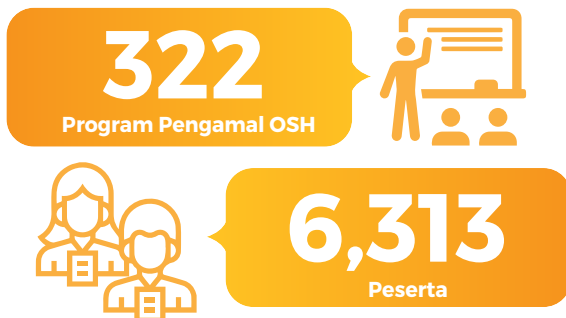


4. Program untuk Pengamal OSH

Sebanyak 322 Program untuk Pengamal OSH telah dilaksanakan dengan bilangan peserta seramai 6,313 orang. Antara program-program yang telah dijalankan adalah Ergonomik di Pejabat, Jawatankuasa Keselamatan dan Kesihatan, Pematuhan Akta KKP 1994 dan Akta Kilang dan Jentera & Peraturan-Peraturan serta lain-lain program.

4. Programmes for OSH Practitioners

A total of 322 Programmes for OSH Practitioners were carried out, involving 6,313 participants. Programmes that were implemented include Ergonomics in the Workplace, Safety and Health Committee, Compliance to Regulations under the Occupational Safety and Health Act 1994, as well as Compliance to Factories and Machinery Act 1967 and Its Regulations, among others.



Aktiviti-aktiviti lain yang dijalankan oleh Jabatan Pendidikan Latihan & Pejabat Wilayah

Program OSH in School sehari ini merupakan kerjasama bersama Bahagian Penyebaran Maklumat (IDD), NIOSH dan Kementerian Pelajaran Malaysia (KPM). Terdapat tiga sesi ceramah dibentangkan oleh JKKP, NIOSH dan pihak KPM sendiri.

Other Activities Organised By Training Department & Regional Office

This OSH in School one day programme is held in collaboration with Information Dissemination Division (IDD), NIOSH and Ministry of Education. Three papers were presented by DOSH, NIOSH and the Ministry of Education.



Program OSH IN SCHOOL, SMK Datuk Panglima Adullah, Tawau

OSH IN SCHOOL Programme in SMK Datuk Panglima Adullah, Tawau

Program Latihan Kesedaran untuk Habitat Installation Rector Energy Services Sdn.Bhd

Sistem *Local Exhaust Ventilation (LEV)* biasanya digunakan untuk membuang gas berbahaya, asap, wap dan habuk dari tempat kerja. Reka bentuk dan penyelenggaraan sistem LEV yang kurang baik mungkin mengakibatkan kegagalan untuk mengawal pendedahan pekerja terhadap bahan kimia berbahaya dan dengan itu melanggar USECHH 2000 dan boleh menyebabkan penyakit kepada pekerja

Program latihan kesedaran ini merangkumi: Keperluan Pengawalseliaan, Pengenalan kepada Kebersihan Pekerjaan, Pengudaraan Pencairan, Pengenalan Sistem LEV, Penilaian Sistem LEV, Demonstrasi Instrumen, Praktikal LEV dengan Sistem Habitat dan Penulisan Laporan.

Awareness Training Programme for Habitat Installation Rector Energy Service Sdn.Bhd

The *Local Exhaust Ventilation System (LEV)* is normally used to dispose poisonous gas smoke, vapour and dust. The LEV structure and poor maintenance might cause the failure in controlling the exposure of staff towards harmful chemical and thus against the USECHH 2000 which could cause disease.

This awareness training programme include aspects such as Supervision, Introduction to Occupational Hygiene, Dilution Ventilation, Introduction to Local Exhaust Ventilation System, Local Exhaust Ventilation System Assessment, Instrument Demonstration, LEV Practical with Habitat System and Report Writing.



Program Latihan Kesedaran Local Exhaust Ventilation System The Local Exhaust Ventilation System Awareness Training Programme

Program Anjuran Jabatan Keselamatan dan Kesihatan Pekerjaan (JKKP)

Program Latihan untuk Negara Ketiga atau *Third Country Training Programme (TCTP)* ini adalah anjuran Jabatan Keselamatan dan Kesihatan Pekerjaan (JKKP). Seramai 16 orang peserta dari Kemboja, Lao PDR, Myanmar dan Vietnam telah terlibat dalam program ini. Koordinator untuk program ini adalah Ir. Dr. Majahar Abd. Rahman.

Programme Organised by The Department of Occupational Safety and Health (DOSH)

This Third Country Training Programme (TCTP) is organised by the Department of Occupational Safety and Health. A total of 16 participants from Cambodia, Lao PDR, Myanmar and Vietnam attended the programme. The coordinator for this programme is Ir. Dr. Majahar Abd. Rahman.



Program Latihan untuk Negara Ketiga (TCTP) 2019 *The Third Country Training Programme (TCTP) 2019*

Program In-House SMRW : Geran PERKESO

Program Keselamatan Menunggang Motorsikal Untuk Pekerja atau *Safe Motorcycle Riding for Workers (SMRW)* ini adalah dibawah Geran PERKESO bagi tahun 2019. Program ini dijalankan sebanyak 24 sesi di seluruh Malaysia. Objektif utama bagi program ini adalah :

1. Meningkatkan kesedaran terhadap isu kemalangan dijalanraya khususnya kepada penunggang motosikal dan pemandu kenderaan ringan yang mencarum dengan PERKESO.
2. Menggalakkan sektor pekerjaan mempertingkatkan dan melengkapkan lagi tahap kemahiran, kecekapan dan teknik menunggang / memandu yang betul.

SMRW In-House Programme : SOCSO (Grant)

This Safe Motorcycle Riding for Workers (SMRW) is a SOCSO 2019 Grant programme conducted throughout the nation in 24 sessions. The main objective of this programme are:

1. *Increase the level of awareness in road accidents especially to motorcyclist and light vehicle drivers who made contribution to SOCSO*
2. *Encourage the occupational sector to improve their skills and techniques in the correct manner in driving and riding skills*



Program In-House SCDW : Geran PERKESO

Program Keselamatan Pemanduan Kereta Untuk Pekerja atau Safe Car Driving for workers (SCRW) ini adalah dibawah Geran PERKESO bagi tahun 2019. Program ini telah dijalankan sebanyak 12 sesi di seluruh Malaysia.

SCDW In-House Programme : SOCSO Grant

This Safe Car Driving for Workers (SCDW) is a SOCSO Grant programme in 2019 conducted in 12 sessions throughout Malaysia.





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KHIDMAT RUNDINGAN

CONSULTANCY SERVICES

LAPORAN AKTIVITI

Aktiviti khidmat rundingan merupakan salah satu fungsi utama NIOSH dalam memberikan penyelesaian yang lebih optimum dan praktikal terhadap isu Keselamatan dan Kesihatan Pekerjaan (KKP) di tempat kerja kepada industri seperti yang termaktub di dalam objektif penubuhan NIOSH. Di bawah Jabatan Perundingan, Penyelidikan dan Pembangunan (CRDD), terdapat 5 kategori teknikal yang menyediakan khidmat rundingan kepada industri berdasarkan kepada isu dan permasalahan KKP di tempat kerja.

Ini selaras dengan misi NIOSH dalam membantu industri melaksanakan KKP di tempat kerja dengan menyediakan lebih daripada 50 jenis aktiviti khidmat rundingan KKP di NIOSH seperti Rajah 1.

ACTIVITY REPORT

Consultancy service activities represent one of NIOSH's main functions in providing the industry with highly optimised, practical solutions for Occupational Safety and Health (OSH)-related issues in the workplace, as outlined in the objectives of NIOSH's establishment. Under the Consultation, Research and Development (CRD) Department, 5 technical categories have been established to provide consultancy services on OSH-related issues and problems at the workplace.

Diagram 1 illustrates the 5 categories to meet NIOSH mission in assisting related industries to implement OSH through 50 types of services.



Rajah 1 : Kategori Khidmat Rundingan NIOSH

Diagram 1 : NIOSH Consultancy Services Categories

Pencapaian aktiviti khidmat rundingan berdasarkan kepada kategori dan jumlah sampel analisis makmal yang dicapai bagi tahun 2019 adalah seperti Jadual 1. Pencapaian pada tahun 2019 telah melebihi sasaran sebanyak 102% daripada yang disasarkan iaitu 1,247 projek berbanding sasaran sebanyak 1,223 projek. Perkhidmatan Pematuan Perundangan (RC) KKP mencatatkan pencapaian tertinggi iaitu 136%. Di samping itu, dengan pensijilan sistem kualiti makmal (ISO 17025) dan kejayaan mendapat pengiktirafan sebagai makmal cemerlang, NIOSH juga telah menerima banyak sampel kajian daripada universiti awam di seluruh negara bagi menganalisis kandungan asbestos dan pelarut organik. Oleh itu, jumlah sampel juga telah meningkat daripada yang disasarkan (23%) iaitu 8,628 sampel berbanding 7,000 sampel yang disasarkan.

The consultancy services achievement in 2019 with respect to category and number of laboratory sample analysis is tabulated in Table 1. In 2019, the achievement was 102% over target, with 1,247 projects implemented as compared to 1,223 targeted projects. The Regulatory Compliance (RC) service scored highest with 136% achievement. Moreover, NIOSH's Laboratory has obtained the ISO 17025 quality system certification and excellent laboratory award. NIOSH has also received numerous study samples from local universities throughout the nation to analyse the content of asbestos and organic solvent. As such, the total number of samples of 8,628 was 123% more than the targeted 7,000 samples.

Jadual 1 : Bilangan Aktiviti Khidmat Rundingan Tahun 2019

Table 1 : Figures for Consultancy Service Activities in 2019

KATEGORI CATEGORY	JUMLAH PROJEK TOTAL PROJECTS		
	2019 (SASARAN/ TARGET)	2019 (SEBENAR/ ACTUAL)	% (PERATUS/ PERCENT)
RC	194	265	136
OS	225	181	80
AS	103	91	88
TS	700	709	101
CR*	1	1	100
JUMLAH TOTAL	1,223	1,247	102
SAMPEL SAMPLES	7,000	8,628	123

***Berdasarkan Laporan Aktiviti Projek sehingga Disember 2019**

** Based on Project Activity Report as at December 2019*

Projek Classification, Labelling and Safety Data Sheet Of Hazardous Chemicals (CLASS), MARUWA, Melaka

Mac - September 2019

Projek pengelasan bahan kimia mengikut CLASS Regulation 2013 telah dijalankan oleh NIOSH bersama pihak MARUWA (M) Sdn Bhd. Melaka. Projek ini melibatkan kakitangan pakar higien dan ahli kimia. Projek ini melibatkan semakan semula 16 elemen di dalam sesebuah Data Sheets (DS) dan menterjemah dari Bahasa Inggeris ke Bahasa Malaysia. Sejumlah 97 bahan kimia terlibat di dalam projek ini dan 97 Safety Data Sheets (SDS).



Sesi pembangunan dan verifikasi SDS

Development and SDS Verification Session

Projek Classification, Labelling and Safety Data Sheet Of Hazardous Chemicals (CLASS), MARUWA, Melaka

March - September 2019

The classification of chemical substance project according to CLASS Regulation 2013 was conducted by NIOSH with MARUWA (M) Sdn Bhd. Melaka with the participation of hygiene experts and chemists. This project will review 16 elements in Data Sheets (DS) with translation from English Language to Bahasa Malaysia. 97 chemicals and 97 Safety Data Sheets (SDS) are involved in this project.



Sesi pembentangan progres khidmat rundingan dengan pihak pengurusan MARUWA

Session with MARUWA Management Team on the Progress of Consultancy Services

PROGRAM PEMULIHARAAN PENDENGARAN (HCP) Perodua Sales, Malaysia

Julai - November 2019

Projek ini merupakan projek gabungan bagi dua program khidmat rundingan *Noise Risk Assessment (NRA)* dan *Audiometric Testing Analysis (ATA)*. Program ini juga dijalankan bagi 15 lokasi Perodua Sales Sdn Bhd (PSSB) dalam Semenanjung Malaysia, Sabah dan Sarawak. Projek ini telah dilaksanakan oleh pegawai-pegawai NIOSH yang mempunyai kemahiran kompetensi (berdaftar dengan JKKP) dan yang mempunyai kelayakan bergantung kepada jenis aktiviti yang dijalankan.



Pemetaan Kawasan
Area Mapping

HEARING CONSERVATION PROGRAMME (HCP) Perodua Sales, Malaysia

July - November 2019

This project is a combination of the Noise Risk Assessment (NRA) and Audiometric Testing Analysis (ATA) Consultancy Programme held in 15 Perodua Sales Sdn Bhd (PSSB) locations throughout the Peninsular of Malaysia, Sabah and Sarawak. It is conducted by qualified NIOSH Officers registered with DOSH.

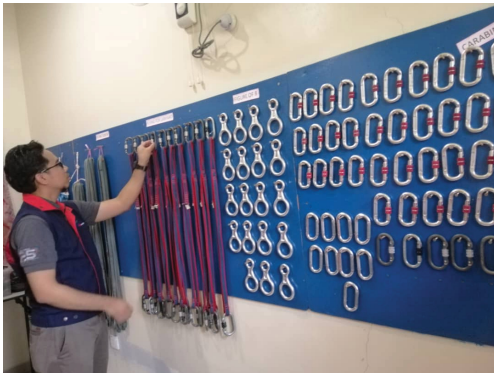


Pemantauan Pekerja
Personnel Monitoring

Projek Audit Keselamatan, Malaysian Future Leader School

Februari – November 2019

NIOSH telah menerima tawaran kerjasama daripada Pusat Belia Antarabangsa di bawah naungan Kementerian Belia dan Sukan (KBS) untuk menjalankan program Pemeriksaan Teknikal & Dokumentasi KKP elemen latihan fizikal di kem-kem Malaysian Future Leader School (MFLS)-dahulunya dikenali sebagai Program Latihan Khidmat Negara (PLKN). Projek ini melibatkan 14 kem di seluruh Malaysia. Elemen yang terkandung dalam program tersebut adalah audit *pre & post* melalui pemeriksaan dokumentasi, keadaan fizikal latihan seperti litar kembara halangan, litar tali rendah, litar tali tinggi dan peralatan tali tinggi. Skop audit adalah berdasarkan keperluan perundangan KKP, garis panduan tempatan dan standard antarabangsa. Selain itu, sesi kursus pematuhan perundangan seperti Jawatankuasa Keselamatan dan Kesihatan dan Pengurusan Risiko (HIRARC) telah diberikan kepada pihak operasi kem untuk membantu mereka menambahbaik pengurusan sistem KKP di kem masing-masing.

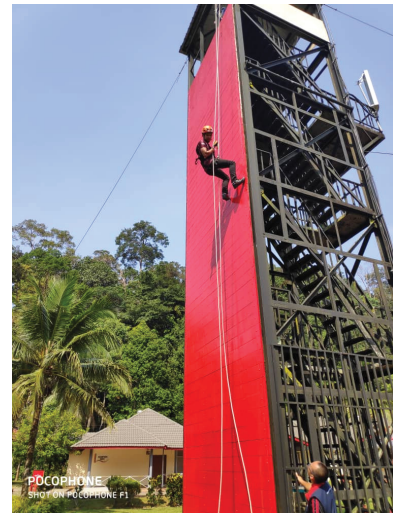


Pemeriksaan peralatan mengikut piawaian
Inspection on Equipment According to Standard

Safety Audit Project, Malaysian Future Leader School

February – November 2019

NIOSH and International Youth Centre in collaboration with the Ministry of Youth and Sports undertook to conduct the Technical Inspection and Documentation Elements of physical training in 14 camps of Malaysian Future Leader School (MFLS), formerly known as The National Service Training Programme. The programme include pre and post audit verification on documents, physical inspection on training facilities that must comply with regulatory requirement, guidelines by local authority and International Standards. The camp operators are required to attend the Hazard Identification, Risk Assessment and Risk Control (HIRARC) to enhance the management system in their respective camps.

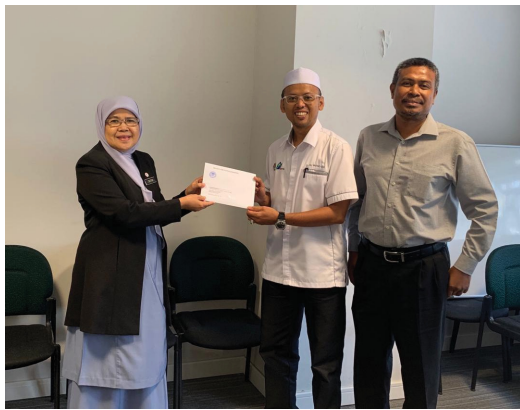


Audit fizikal kabel flying fox
Physical Audit on Flying Fox Cable

Projek Audit Keselamatan Institusi Tahfiz, JAKIM

Mei – November 2019

Program audit keselamatan adalah program baharu melibatkan kerjasama dengan pihak Jabatan Kemajuan Islam Malaysia. Program ini meliputi 50 buah institusi pembelajaran tahfiz di seluruh Malaysia termasuk Sabah dan Sarawak yang telah berdaftar di bawah JAKIM. Audit ini merangkumi Program Bimbingan KKP.



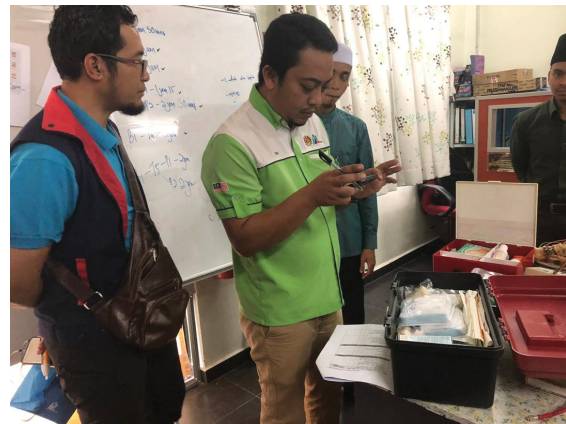
Penyerahan anugerah Projek JAKIM bersama pengarah Bahagian Pendidikan JAKIM

The handing over of JAKIM project by its Education Division Director

Safety Audit Project for Tahfiz Institutions JAKIM

May – November 2019

The Safety Audit Project is a newly established programme held in collaboration with the Department of Islamic Development Malaysia (JAKIM). This programme will be conducted in 50 Tahfiz Learning Institutions registered with JAKIM in Malaysia, including Sabah and Sarawak.



Audit Peti Pertolongan Cemas First Aid Kit Box Audit

Penglibatan Pelanggan Baharu

Pada tahun 2019 melihatkan penambahan penglibatan pelanggan-pelanggan baharu di Jabatan Perundingan, Penyelidikan dan Pembangunan (CRDD) terdiri daripada badan kerajaan juga syarikat-syarikat seperti di bawah. Pelbagai aktiviti yang dijalankan bagi memastikan aspek KKP dipatuhi bagi mengurangkan kadar kemalangan ditempat kerja.

Establishment of New Clients

In 2019, new clients were established in the Consultation, Research and Development Department (CRDD) ranging from Government agencies to private sectors. Numerous activities were held to reduce accidents at workplace.



Senarai pelanggan baru CRD 2019
New Clients in 2019

The background of the cover is a photograph of a laboratory. In the foreground, there are several glass test tubes in a rack, some containing blue liquid. In the background, a hand is holding a test tube with blue liquid, and there are various glass bottles and equipment on a lab bench under a fume hood. The overall color scheme is blue and white.

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A female scientist with dark hair tied in a bun, wearing a white lab coat and clear safety goggles, is shown in profile, looking down at her work in a laboratory setting. The background is a blurred blue-toned laboratory environment.

PENYELIDIKAN DAN PEMBANGUNAN

RESEARCH AND DEVELOPMENT

AKTIVITI PENYELIDIKAN DAN PEMBANGUNAN (R&D) KKP

Secara dasarnya aktiviti penyelidikan dan pembangunan (R&D) di NIOSH boleh dibahagikan kepada 4 kategori seperti di bawah:

OSH RESEARCH AND DEVELOPMENT (R&D) ACTIVITIES

The Research and Development (R&D) activity in NIOSH can be categorised into 4 types as below:




Kategori Aktiviti Penyelidikan
Category of Research Activities

Jumlah dan Status Projek Penyelidikan NIOSH 2019

Total Number and Status of NIOSH Research Projects for 2019

2

JUMLAH PROJEK SELESAI TOTAL NUMBER OF COMPLETED PROJECTS

1. Kajian Pendedahan dan Kawalan Hazard Kesihatan dalam Industri- **HJ. MOHD ESA BIN BARUJI**,
2. *Compliances Study of Fall Protective Equipment to Malaysian Standard In Selangor and Kuala Lumpur* – **MOHD ATIF BIN SHOLEHUDDIN**

20

JUMLAH PROJEK MASIH BERJALAN TOTAL NUMBER OF ONGOING PROJECTS

1. *A Study on Crystalline Silica Exposure in Construction Sites* – **ZAKIAH BINTI MOHD YUSOFF**
2. *NIOSH Classification System for Dust Mask* – **BADERIN BIN OSMAN**
3. *Cardiorespiratory Fitness for Workers at Height* – **AHMAD SYAZRIN BIN MUHAMMAD**
4. *Occupational Safety and Health Risk Assessment in School*- **SITI NORSHUHADA BINTI ABDUL AZIZ**
5. *Continuous Non-Intrusive Measurement of Fatigue Levels Among Shift Workers in Electronics Manufacturing Industry in Malaysia*- **MUHAMMAD SYAIDAN BIN ABDULLAH**
6. *Development of Anthropometric Database for Malaysian Working – Age Population* – **MOHD NUR IKHWAN BIN SHAFIEE**
7. *Hearing Loss Associated With Noise and Chemical Exposures at The Workplace in Malaysia* – **YUZAINIE BINTI YUSOF**
8. *Needs Analysis Of OSH for Ageing Workforce in Malaysia Manufacturing Sector* – **HJ. AMIRRUDIN BIN ABDUL AZIZ**
9. Kajian Indeks Tegasan dan Tekanan Haba Serta Kesannya Kepada Prestasi Pekerja – **Universiti Malaysia Kelantan (UMK)**
10. Kajian Beban Kerja Mental dan Keletihan Mental dalam Sektor Perkhidmatan Di Malaysia – **Universiti Malaya (UM)**
11. Kajian Pembangunan Alat Bantu/ Garis Panduan untuk Penilaian Risiko Kesihatan Pekerjaan bagi Doktor Kesihatan Pekerjaan- **Universiti Islam Antarabangsa (UIA)**

12. Kajian Media Persampelan *Volatile Organic Compound (VOC)* - **Universiti Tun Hussien Malaysia (UTHM)**
13. Kajian Pembangunan Indeks Budaya Keselamatan di Sektor Pembinaan- **Universiti Putra Malaysia (UPM)**
14. Kajian Kompetensi Pekerja terhadap Mesin Berat (*Heavy Machinery*)- **Universiti Kebangsaan Malaysia (UKM)**
15. Kajian Kelestarian Kompetensi oleh Doktor Kesihatan Pekerjaan di Malaysia - **Universiti Kebangsaan Malaysia (UKM)**
16. Kajian Pembangunan Profil Kanser Pekerjaan di Malaysia - **Universiti Malaya (UM)**
17. Kajian Pensampelan dan Kaedah Analisis untuk Nanopartikel - **Universiti Islam Antarabangsa (UIA)**
18. Kajian Pendedahan dan Risiko Kesihatan: Asbestos Terampai semasa Penyelenggaraan Kenderaan dan Jentera Berat- **Universiti Islam Antarabangsa (UIA)**
19. Prediksi Risiko Nanomaterials menggunakan Rangkaian Bayesian - **Universiti Teknologi Petronas (UTP)**
20. *Intelligent Malaysia Occupational Safety, Security and Environmental Drone (Imossed-1) as a New Safety Inspection Tools at Construction Site In Malaysia* - **Universiti Kuala Lumpur (UniKL)**

PENGLIBATAN NIOSH DALAM AKTIVITI PENYELIDIKAN JARINGAN ANTARABANGSA

NIOSH's Involvement in International Network Research Activities

1. Sebanyak 14 Hasil penyelidikan telah dibentangkan oleh pegawai-pegawai NIOSH: 4 pembentangan peringkat antarabangsa dan 13 pembentangan peringkat kebangsaan. Pada tahun ini juga, sebanyak 15 penerbitan hasil penyelidikan telah dapat diterbitkan oleh pegawai-pegawai NIOSH.

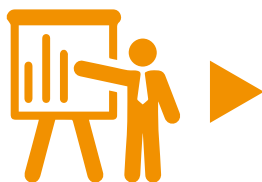
A total of 14 research findings were presented by NIOSH Officers: 4 presentations were at the international level while 13 at national level. This year, 15 research findings were published by NIOSH Officers.



14
Hasil Penyelidikan
Research Findings



4
Pembentangan
Peringkat Antarabangsa
International Level Presentation



13
Pembentangan
Peringkat Kebangsaan
National Level Presentation



15
Penerbitan hasil
Penyelidikan
Published Research Findings

SENARAI PEMBENTANGAN PERINGKAT ANTARABANGSA LIST OF PRESENTATIONS AT INTERNATIONAL LEVEL

1. *Empower OSH: Innovative Tool for Employers' Leadership Empowerment in Implementing OSH*
- HJ. MOHD ESA BIN BARUJI, The 5th Hazards Asia Pacific Symposium (HazardsAP)



2. *Enhancing OSH Professionalism Through Knowledge Enhancement – A Malaysia Experience*
- EN. SHAHRULNIZAM BIN JAMEN National Occupational Safety and Health Conference 2019 Colombo, Sri Lanka

THEORY & TECHNIQUE INTERNATIONAL AEROSOL CONFERENCE AND MALAYSIA AIR QUALITY ANNUAL SYMPOSIUM

1. *Market Surveillance of RPE* – EN. BADERIN BIN OSMAN
2. *A Randomized Testing of Various options of N95 respirator in Malaysia Market* - EN. BADERIN BIN OSMAN



BORNEO CONFERENCE AND EXHIBITION ON OCCUPATIONAL SAFETY AND HEALTH (BOSH)

1. *Industrial Transformations Through Innovative Tool for OSH Engagement and Leadership Empowerment* - **HJ. MOHD ESA BIN BARUJI**
2. *Workplace Health Promotion: Engagement of OSH Professional* - **DR. MUHAMMAD ARIFF BIN MUHAMAD NOORDIN**



SEMINAR ON HEALTH HAZARD CONTROL, INTERVENTION APPROACH & CHALLENGES (HCIC)

1. *Health Hazard Control, Intervention Approach and Challenges in Wholesale and Retail Trade Sector: An Intervention Height Adjustable Motorized Roller Cage (HAMERC)* - **SITI NURAINI BINTI HASSAN**
2. *Health Hazard Control, Intervention Approach and Challenges in Oil Palm Plantation Sector: Result on Volatile Organic Compound (VOC) Monitoring and Ergonomic Assesment* - **DAUD BIN ADAM**
3. *Health Hazard Control, Intervention Approach and Challenges in Water Treatment Plant (WTP): Result of Dust Measurement During Manual Handling of Hydrated Lime in Water Treatment Plant (WTP) Using The Real-Time Particulate Meter* - **SHAHRLNIZAM BIN JAMEN**
4. *Study on Health Hazard Control, Intervention Approach and Challenges: An intervention of 3 in 1 Hand Truck in Bulky Waste Handling* - **SITI FAEZA YANI BINTI JUMAT**

5. *Study on Control, and Intervention approach for Health Hazard Exposure in Healthcare and Sanitation Industry* - **AQILAH NABIHAH BINTI OMAR**
6. *Study on Health Hazard Control, Intervention Approach and Challenges for Chemical Exposure in the On-Line and Pad Printing Area for the Plastic Industry* - **AMROUN BIN MUSTAPA**
7. *Health Hazard Control, Intervention Approach and Challenges in Furniture Manufacturing Industry: Result on Wood Dust, Ergonomic and Noise Monitoring* - **MOHD NORHAFSAM BIN MAGHPOR**
8. *Health Hazard Control, Intervention Approach and Challenges: Noise and Ergonomic Intervention in The Metal Fabrication Industry* - **MUHAMMAD ZULAZHAR BIN ABDUL HALIM**
9. *Study on Health Hazard Control, Intervention Approach and Challenges : An Intervention of Cool Vest for Heat Stress Exposure in Construction Industry* - **NOORUL AZREEN BINTI AZIZ**
10. *Health Hazard Control, Intervention Approach in Malaysia Electronics Industries* - **ISMAIL BIN ABDUL RAHMAN**

PENERBITAN HASIL PENYELIDIKAN RESEARCH PUBLICATIONS



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**PUSAT PENILAIAN DAN
TEKNOLOGI KAWALAN KKP**
OSH HAZARD EVALUATION AND
CONTROL TECHNOLOGY CENTRE
(OSHECT)

PENGENALAN

Di bawah Rancangan Malaysia Ke-11 (RMK-11), kerajaan Malaysia melalui Kementerian Sumber Manusia memperuntukkan bantuan kewangan sebanyak RM25 juta untuk membangunkan Pusat Penilaian Hazard dan Teknologi Kawalan KKP (OSHECT), bagi merealisasikan hasrat kerajaan dan juga visi dan misi penubuhan NIOSH.

Pembangunan OSHECT ini terdiri daripada pembangunan beberapa makmal berteknologi tinggi seperti Makmal Analisa Bahan Kimia Berbahaya kepada Kesihatan (CHL), Makmal Pengurusan Kesihatan Pekerjaan Bersepadu (OHL), Makmal Pengesahan Peralatan Perlindungan Pernafasan (DML), Makmal Pengesahan Peralatan Pencegahan Jatuh (FPETL), Makmal Simulasi Interaktif Peralatan Perlindungan Peribadi (PSL), Makmal Pengujian Hidrostatik (HRL), Makmal Penentuukuran Alat Penguji Gas (GCL), Makmal Ergonomik Persekitaran (EEL) dan Makmal Penaksiran Ergonomik Manusia (HEAL). Di bawah pembangunan OSHECT, terdapat tiga penambahan makmal baru iaitu Makmal Penentuukuran Peralatan Saintifik (SECL), Makmal Kejuruteraan Forensik (FEL), dan Makmal Pengesahan Peralatan Perlindungan Pernafasan (GML). Status bagi makmal GML adalah sedang dalam proses mendapatkan pembekal daripada Kerajaan.

INTRODUCTION

Under the 11th Malaysia Plan, the Government through the Ministry of Human Resources has allocated RM25 million to develop the Occupational Safety and Health Hazard Evaluation Control Technology Centre (OSHECT) to realise the vision and mission on the establishment of NIOSH.

The development of OSHECT involves the construction of high technology laboratories such as Chemical Hazards Laboratory (CHL), Occupational Health Laboratory (OHL), Dust Mask Laboratory (DML), Fall Protection Equipment Testing Laboratory (FPETL), PPE Simulation Laboratory (PSL), Hydrostatic Testing Laboratory (HRL), Gas Detector Calibration Laboratory (GCL), Environment Ergonomic Laboratory (EEL) and Human Ergonomic Laboratory (HEAL). Three additional laboratories include Scientific Equipment Calibration Laboratory (SECL), Forensic Engineering Laboratory (FEL) and Gas Mask Laboratory (GML). GML is currently in the process of obtaining suppliers from the Government.

Pusat ini menyediakan fasiliti berteknologi tinggi bagi tujuan pengesanan serta pensijilan produk dan dapat digunakan sebagai makmal R&D selain daripada menjadi sebuah pusat penyelidikan dan pengujian yang bersifat ilmiah. Pembangunan OSHECT ini juga penting bagi memastikan NIOSH sentiasa dinamik dan berdaya saing seperti institusi KKP yang lain.

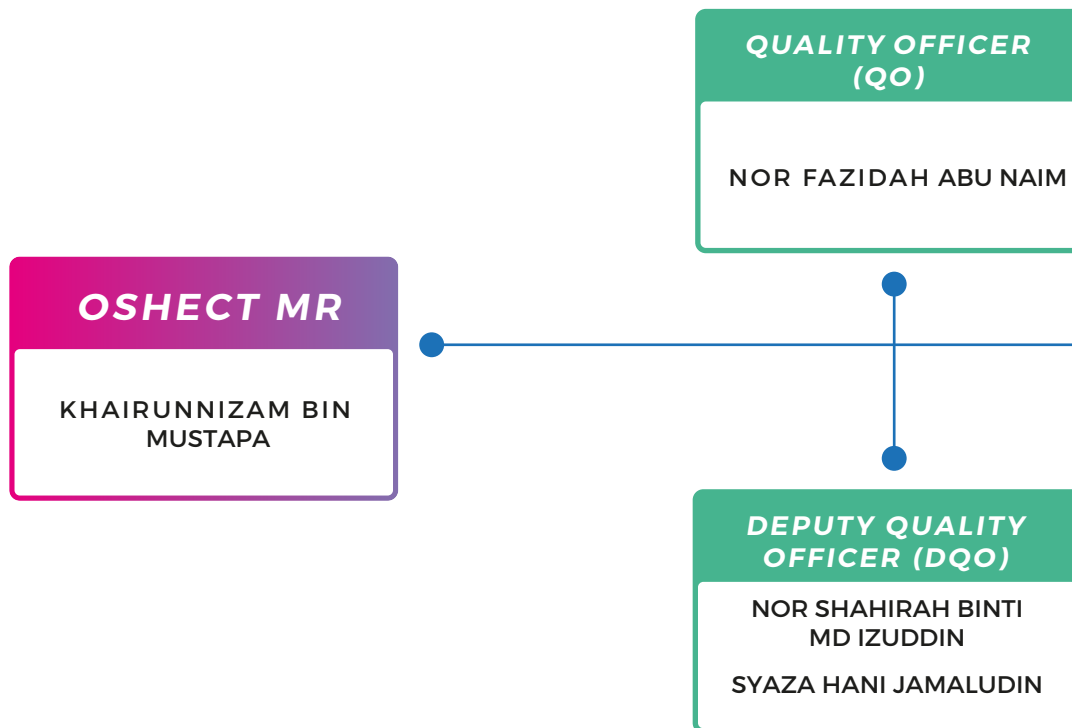
Bagi melancarkan pengurusan dan pentadbiran, pusat ini mempunyai beberapa staf professional dan sokongan terdiri daripada Pakar Teknikal, Eksekutif dan Juruteknik. Struktur organisasi OSHECT ini telah diputuskan dan dipersetujui dalam Mesyuarat Kajian Semula Pengurusan Makmal pada 2 Disember 2019. Struktur organisasi OSHECT ditunjukkan dalam Rajah 1.

This centre provides high technology facilities for product certification and accreditation and can be utilised as a laboratory to work on Research and Development academically. The development of OSHECT is also important as it will ensure NIOSH remains dynamic and competitive as compared with other OSH institutions.

On the administrative and management side, the centre has appointed qualified professionals and support team as in Technical Experts, Executives and Technicians. OSHECT organisational structure was approved in the Laboratory Management Meeting on 2nd December 2019. OSHECT organisational structure is as per Diagram 1.

CARTA ORGANISASI OSHECT

OSHECT ORGANIZATION CHART



Rajah 1: Struktur Organisasi OSHECT
Diagram 1 : OSHECT Organisation Chart

FEL	LABORATORY ADVISOR (LA) HJ.MOHD ESA BIN BARUJI	MOHAMAD HANAFI ALI (TECHNICAL OFFICER(TO)) MUHAMMAD AKMAL MUZHAFAR AZMAN WONG	SECL	LABORATORY ADVISOR (LA) HJ.FADZIL BIN OSMAN	MUHAMAD ZULAZHAR ABDUL HALIM (TECHNICAL OFFICER(TO)) DAUD ADAM MUHAMMAD HAFIS ABDUL MANAP
	LABORATORY ADVISOR (LA) RAEMY MD.ZEIN	ISMAIL ABDUL RAHMAN (TECHNICAL OFFICER(TO)) SUHAIMI MOHD SUKRI		LABORATORY ADVISOR (LA) NOR MOHD RAZIF NORAINI	VACANT (1)
HEAL	LABORATORY ADVISOR (LA) SITI NURAINI HASSAN	NOORUL AZREEN AZIS (TECHNICAL OFFICER(TO)) SUHAIMI MOHD SUKRI	CML	LABORATORY ADVISOR (LA) *MOHD NORHAFSAM MACHPOR	*ZAKIAH MOHD YUSOFF (TECHNICAL OFFICER(TO)) *SITI NAZHATUL MARINA MIOR ISKANDAR *AQILAH NABIHAH OMAR SHAFINA NADIAWATI ABDUL *ROCHI ANAK BAKEL *NOR FITIYANA MOHD YUSOF MUHAMMAD ASYRAF AFHAM ABD KADIR
OHL	LABORATORY ADVISOR (LA) DR.MUHAMAD ARIFF MUHAMAD NOORDIN	AHMAD SYAZRIN MUHAMMAD (TECHNICAL OFFICER(TO)) NUR ALYANI FAHMI BIN SALIHEN	CHL	LABORATORY ADVISOR (LA) BADERIN OSMAN	HAALAH BINTI MAHMUD (TECHNICAL OFFICER(TO))
HR L	LABORATORY ADVISOR (LA) AZHAR AHMAD	MOHD ATIF SHOLEHUDDIN (TECHNICAL OFFICER(TO))	DML	LABORATORY ADVISOR (LA) HJ.MOHD ESA BIN BARUJI	MUHAMMAD HAIRUL FARIQUE BIN FUADI (TECHNICAL OFFICER(TO)) MOHD FADZLI ISMAIL
PSL	LABORATORY ADVISOR (LA) YUZAINIE BIN YUSOF	SYAZA HANI JAMALUDIN (TECHNICAL OFFICER(TO))	FEPEL		
GCL	LABORATORY ADVISOR (LA) *HJ.MOHD ESA BIN BARUJI	MOHD ATIF SHOLEHUDDIN (TECHNICAL OFFICER(TO)) *MUHAMMAD AKMAL MUZHAFAR AZMAN WONG			

LEGENDS

LABORATORY ACRONYMS

CHL : CHEMICAL HAZARDOUS LABORATORY	OHL : OCCUPATIONAL HEALTH LABORATORY
DML : DUSK MASK LABORATORY	GCL : GAS DETECTOR CALIBRATION LABORATORY
FPETL : FALL PROTECTION EQUIPMENT TESTING LABORATORY	HR L : HIDROSTATIC TESTING LABORATORY
FEL : FORENSIC ENGINEERING LABORATORY	PSL : PPE SIMULATION LABORATORY
EEL : ENVIRONMENT ERGONOMIC LABORATORY	SECL : SCIENTIFIC EQUIPMENT CALIBRATION LABORATORY
HEAL : HUMAN ERGONOMIC LABORATORY	GML : GAS MASK LABORATORY

- CERTIFIED
- TOWARD CERTIFIED
- NOT YET CERTIFIED
- UNDER CONSTRUCTION

PEMBANGUNAN FASILITI DAN PERALATAN MAKMAL

Makmal OSHECT dibangunkan dari tahun 2016 menggunakan geran RMK-11. Bagi tahun 2019, terdapat pembangunan fasiliti dan peralatan makmal. Butiran adalah seperti berikut:

LABORATORY FACILITY AND EQUIPMENT DEVELOPMENT

The OSHECT Laboratories were developed in 2016 with grant awarded under the 11th Malaysian Plan. In 2019, the development in facility and laboratory equipment are as follows:

Bil No.	PEMBANGUNAN FASILITI DAN PERALATAN MAKMAL LABORATORY FACILITY AND EQUIPMENT DEVELOPMENT	MAKMAL LABORATORY
1.	Pemasangan alat pengesan kebocoran gas dan sistem penggera keselamatan <i>Installation of gas leaking detection equipment and safety alarm system</i>	CHL
2.	Pemasangan stopper pada monorail crane hoist <i>Installation of stopper on monorail crane hoist</i>	FPETL
3.	Pemasangan kerusi dan meja <i>Installation of chairs and tables</i>	PSL
4.	Pembangunan fasiliti: - Acoustic Lab - Vibration & Thermal Lab - Air Flow Pembangunan Peralatan makmal: - Full sound proof room - Full system of RION acoustic calibration system - Anechoic chamber <i>Facility development:</i> - <i>Acoustic Lab</i> - <i>Vibration & Thermal Lab</i> - <i>Air Flow</i> <i>Laboratory Equipment Development:</i> - <i>Full sound proof room</i> - <i>Full system of RION acoustic calibration system</i> - <i>Anechoic chamber</i>	SECL

5.	Pembangunan fasiliti: - Material Preparation & Analysis Section - Engineering Workshop - 3D & Rapid Prototyping <i>Facility Development:</i> - <i>Material Preparation & Analysis Section</i> - <i>Engineering Workshop</i> - <i>3D & Rapid Prototyping</i> Pembangunan Peralatan makmal: - Metallographic Abrasive Manual Cutting Machine - Metallographic Automatic Mounting Press Machine - Metallographic Semi-Automatic Grinder-Polisher - Micro Hardness Tester - High Power Metallurgical Microscope - 3d Printer For Rapid Prototyping - Smaw Welding Machine - Portable Welding Fume Extractor - Cordless Drill - Cutt-Off Machine - Angler Grinder - Bench Grinder <i>Laboratory:Equipment Development</i> - <i>Metallographic Abrasive Manual Cutting Machine</i> - <i>Metallographic Automatic Mounting Press Machine</i> - <i>Metallographic Semi-Automatic Grinder-Polisher</i> - <i>Micro Hardness Tester</i> - <i>High Power Metallurgical Microscope</i> - <i>3d Printer For Rapid Prototyping</i> - <i>Smaw Welding Machine</i> - <i>Portable Welding Fume Extractor</i> - <i>Cordless Drill</i> - <i>Cutt-Off Machine</i> - <i>Angler Grinder</i> - <i>Bench Grinder</i>	FEL
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PEMBANGUNAN KAPASITI

Pelbagai bentuk kursus dan latihan telah dirancang bagi tujuan untuk meningkatkan pengetahuan, kesedaran dan juga kompetensi staf makmal. Bagi menjamin kualiti dan perjalanan khidmat rundingan di jabatan ini, staf makmal OSHECT telah menghadiri beberapa program latihan anjuran NIOSH dan juga luar NIOSH. Dengan kerjasama pelbagai pihak, beberapa kursus dan latihan telah berjaya dijalankan. Butiran program latihan adalah seperti berikut :

CAPACITY DEVELOPMENT

Courses and training have been planned to increase knowledge, create awareness and competence of laboratory staff. To ensure the quality and consultation services are being carried out efficiently, the OSHECT laboratory staff attended internal training programmes organised by NIOSH as well as external courses by other bodies. The training programmes are as below:

BIL. NO.	PROGRAM PROGRAMME	TARIKH DATE	ANJURAN ORGANIZER	MAKMAL LABORATORY
1.	Occupational Safety and Health Act (OSHA) 1994	16 Januari 2019 16 January 2019	NIOSH NIOSH	OSHECT OSHECT
2.	Procedures of Method Validation & Verification	23 - 24 Januari 2019 23-24 January 2019	IKM IKM	CHL CHL
3.	Understanding the Elements of MS ISO/IEC 17025 2017 (ISO37)	19 - 20 Februari 2019 19 - 20 February 2019	IKM IKM	CHL CHL
4.	MS ISO/IEC 17025:2017 General Requirement for The Competence Testing and Calibration Laboratory Awareness / Introduction Training	8 April 2019 8 April 2019	NCSB NCSB	OSHECT OSHECT

5.	<i>MS ISO/IEC 17025:2017 General Requirement for The Competence Testing and Calibration Laboratory Internal Auditor Training</i>	9 - 10 April 2019 9 - 10 April 2019	NCSB NCSB	OSHECT OSHECT
6.	<i>MS ISO 17025:2017 Development and Documentation Review Workshop</i>	14-16 Mei 2019 14-16 May 2019	NIOSH NIOSH	OSHECT OSHECT
7.	<i>Occupational Health Research Programme on Analysis of Hazardous Chemical at Workplace and Biological Monitoring</i>	27 Mei - 14 Jun 2019 27 May - 14 June 2019	KOSHA, Korea KOSHA, Korea	CHL CHL
8.	<i>Understanding and Implementing of MS ISO/IEC 17025/2017</i>	22 Julai 2019 22 July 2019	NCSB NCSB	OSHECT OSHECT
9.	<i>Method Validation and Verification & Measurement of Uncertainty</i>	15-16 Ogos 2019 15-16 August 2019	Sani Chem Resources Sdn. Bhd Sani Chem Resources Sdn. Bhd	OSHECT OSHECT
10.	<i>Chemical Substance Spill Training</i>	14 Ogos 2019 14 August 2019	NIOSH & Bomba B.B. Bangi NIOSH & Bangi Fire Rescue Department	CHL CHL
11.	<i>Calibration of Force Measuring Devices</i>	20-21 Ogos 2019 20-21 August 2019	SIRIM SIRIM	FPETL FPETL

12.	Course on Measurement Uncertainty Evaluation of Force Calibration	22 Ogos 2019 22 August 2019	SIRIM SIRIM	FPETL FPETL
13.	Verification & International Marking @ INSPECT UK	19 – 23 Ogos 2019 19 – 23 August 2019	INSPEC, UK INSPEC, UK	DML DML
14.	Equipment Training (Calibration Testing) RION	19 - 20 Disember 2019 19 - 20 Disember 2019	RION CO., LTD. RION CO., LTD.	SECL SECL
15.	Equipment Training (3D Printer & Design Software)	25 – 6 Disember 2019 25-6 December 2019	3D System 3D System	FEL FEL
16.	Measurement Uncertainty in Chemical Analysis	25 – 6 Disember 2019 25-6 December 2019	IKM IKM	CHL CHL



**Latihan Tumpahan Bahan Kimia dengan
Kerjasama Pihak Bomba, Bandar Baru Bangi**
*Chemical Substance Spill Training in
collaboration with Bangi Fire and
Rescue Department*



**Latihan Pengujian Peralatan Saintifik di
Makmal SECL bersama pihak pembekal**
*SECL Laboratory Scientific Equipment
Test Training with supplier*



**Verifikasi dan Tanda Antarabangsa @
INSPECT UK**
*Verification & International Marking @
INSPECT UK*



**Program Kajian Kesihatan Pekerjaan Mengenai
Analisis Kimia Berbahaya di Tempat Kerja dan
Pemantauan Biologi, KOSHA**
*Occupational Health Research
Programme on Analysis of Hazardous
Chemical at Workplace and Biological
Monitoring, KOSHA*

Selain itu, penambahan tenaga kerja juga telah dilaksanakan bertujuan menjadikan sistem pengurusan makmal lebih seragam, terancang dan lebih sistematik. Butiran ringkas kakitangan tersebut adalah seperti berikut:

To ensure the implementation of a uniform, organised and systematic laboratory management system, additional work force has been allocated as follow:

BIL. NO.	NAMA KAKITANGAN NAME OF STAFF	JAWATAN DESIGNATION	SKOP KERJA JOB SCOPE	Tarikh Berkhidmat SERVICE DATE
1.	Nor Shahirah binti Md. Izuddin	Eksekutif Pengurusan Makmal OSHECT OSHECT Laboratory Management Executive	- Pengurusan Makmal OSHECT - Makmal CHL -OSHECT Laboratory Management - CHL Laboratory	2 Mei 2019 2 May 2019
2.	Syaza Hani binti Jamaludin	Eksekutif Pengurusan Makmal OSHECT OSHECT Laboratory Management Executive	- Pengurusan Makmal OSHECT - Makmal PSL -OSHECT Laboratory Management - PSL Laboratory	2 Mei 2019 2 May 2019
3.	Muhammad Hairul Farique bin Mohd Fuadi	Eksekutif OSH Solution OSH Solution Executive	- Perunding Penyelesaian Keselamatan & Kesihatan Pekerjaan - Makmal FPETL -Occupational Safety and Health Consultant - FPET Laboratory	12 Julai 2019 12 July 2019

Sehubungan dengan itu, pada 18 November 2019, Makmal OSHECT telah didaftarkan sebagai ahli Persatuan Makmal Akreditasi Malaysia (PMAM). Nama pengguna yang digunakan ialah NIOSH (PMAM 0144). Antara objektif pendaftaran ini adalah untuk bergabung bersama semua makmal yang diiktiraf di Malaysia dalam satu Persatuan Kebangsaan dan seterusnya menjadi wakil rasmi semua makmal di Malaysia

With effect from 18 November 2019, OSHECT Laboratory is a registered member of the Malaysian Laboratory Accreditation Society with the username as NIOSH (PMAM 0144). The objective for registering is to merge with recognized laboratories in Malaysia under a National Association and thus acts as an official representative for laboratories nationwide.

AUDIT PEMERIKSAAN

Berikut adalah maklumat ringkas berkenaan sesi audit dan pemeriksaan yang telah dijalankan:

SURVEILLANCE AUDIT

Tabulated below are the audit session and inspection implemented:

BIL. NO.	PERKARA ITEM	TARIKH DATE	PEMERIKSAAN / AUDITOR EXAMINER / AUDITOR	MAKMAL TERLIBAT LABORATORY
1.	Surveillance Audit	6 Mac 2019 6 March 2019	Jabatan Standard Malaysia (DSM) Department of Standards Malaysia	CHL
2.	IKM Laboratory Excellence Award 2019	5 September 2019 5 September 2019	Institut Kimia Malaysia (IKM)	CHL
3.	SIRIM Witness Testing	8 Oktober 2019 8 October 2019	SIRIM	FPETL
4.	Audit Dalaman MS ISO/IEC 17025:2017 Internal Audit MS ISO/IEC 17025:2017	7, 8 & 20 November 2019 7, 8 & 20 November 2019	JKKP Selangor	CHL, DML & GCL
5.	SIRIM Witness Testing	17 - 20 Disember 2019 17 - 20 December 2019	SIRIM	DML

Makmal CHL telah menerima pengiktirafan IKM Excellent Award (IKM) daripada Institut Kimia Malaysia buat kali kesembilan berturut-turut di atas perhidmatannya sehingga kini. Anugerah ini telah membuktikan kecemerlangan perhidmatan yang ditawarkan oleh Makmal CHL secara konsisten kepada pelanggannya dan seterusnya meningkatkan kepercayaan orang awam dan industri lain untuk mendapatkan perhidmatan analisis di makmal tersebut.

The CHL Laboratory has received IKM Excellent Award accreditation for nine consecutive years. The consistent excellent services offered by CHL Laboratory to their clients has gained trust from the public and industry towards utilising the analysis facility offered by the laboratory.



Malam Pengiktirafan Makmal Cemerlang IKM 2019 *Excellent Laboratory Accreditation Night IKM 2019*

PEMBANGUNAN SAMPEL MAKMAL

Pembangunan makmal OSHECT yang baharu membawa sampel untuk diperiksa dari luar. Butiran adalah seperti berikut

LABORATORY SAMPLE DEVELOPMENT

The newly developed OSHECT Laboratory accepts external samples to be examined. The details are as follows:

BIL. NO.	PERKARA ITEM	MAKMAL LABORATORY
1.	Identification Microbiology (Bacteria & Fungi) <i>Identification Microbiology (Bacteria & Fungi)</i>	CHL CHL
2.	Pengujian sampel: - 2910 sampel & 35 RPE Brand - Half masks & quarter masks EN149:2010 <i>Sample Tests:</i> - 2910 sampel & 35 RPE Brand - Half masks & quarter masks EN149:2010	DML DML
3.	Pengujian sampel: - 182 sampel daripada 15 brand - 8 sampel audit pengujian bagi BS EN 361 - 8 sampel audit pengujian bagi BS EN 364 <i>Sample Tests:</i> - 182 samples from 15 brands - 8 audit test sample for BS EN 361 - 8 audit test sample for BS EN 364	FPETL FPETL
4.	Penambahan Model : - Drager X-am 3500 Model yang ditentukan : - MSA 4X - MSA 5X - MSA 5XiR - Drager X-am 3000 - Drager X-am 7000 - Drager X-am 2500 - Multi Rae Lite	GCL GCL

	<i>Additional for Model:</i> - Drager X-am 3500 <i>Calibrated Model:</i> - MSA 4X - MSA 5X - MSA 5XiR - Drager X-am 3000 - Drager X-am 7000 - Drager X-am 2500 - Multi Rae Lite	CHL
5.	Verifikasi produk: - Verifikasi Ergonomik bagi Ring Main Unit (RMU) Box - Verifikasi Alat Penuaian Kerang (ErgoCockle Harvester) <i>Product Verification:</i> - Ergonomic Verification for Ring Main Unit (RMU) Box - Verification for ErgoCockle Harvester	HEAL HEAL

Ujian kecekapan (PT) yang juga dikenali sebagai program perbandingan antara makmal (ILCP), menyediakan makmal dengan penilaian objektif bagi ketepatan dan kebolehpercayaan sesuatu keputusan ujian mereka di makmal. PT menentukan prestasi makmal individu untuk ujian atau ukuran tertentu dan digunakan bagi memantau prestasi berterusan sesebuah makmal. Berikut adalah senarai ujian kecekapan dan perbandingan interlab yang telah dijalankan oleh makmal OSHECT:

Proficiency Test (PT) also known as Inter Laboratory Comparison Proficiency (ILCP), provides evaluation on the accuracy and reliability of the results of laboratory tests carried out. PT determines the individual performance of laboratories and is used continuously to monitor the performance based on tests and identified measurement accordingly. Listed below are the list of proficiency tests and interlab comparison implemented by OSHECT Laboratories.

BIL. NO.	PT TEST / PERBANDINGAN INTERLAB (ILCP) PT TEST/INTER LABORATORY COMPARISON PROFICIENCY (ILCP)	MAKMAL LABORATORY	TARIKH DATE
1.	ILCP- Gas Detector Calibration	GCL	Januari 2019
1.	ILCP- Gas Detector Calibration	GCL	January 2019
2.	ILCP - Dust Mask Testing (KOSHA)	DML	Oktober 2019
2.	ILCP - Dust Mask Testing (KOSHA)	DML	October 2019
3.	ILCP - Static Strength Test for Energy Absorber (KOSHA)	FPETL	Oktober 2019
3.	ILCP - Static Strength Test for Energy Absorber (KOSHA)	FPETL	October 2019
4.	PT - Air & Emissions Round 15 (Gravimetric - Total Dust & Respirable Dust)	CHL	November 2019
4.	PT - Air & Emissions Round 15 (Gravimetric - Total Dust & Respirable Dust)	CHL	November 2019
5.	PT - PTA Legionella Round 59	CHL	Ogos 2019
5.	PT - PTA Legionella Round 59	CHL	August 2019
6.	ILCP - Gravimetric (Total Dust & Respirable Dust)	CHL	Disember 2019
6.	ILCP - Gravimetric (Total Dust & Respirable Dust)	CHL	December 2019

LAWATAN KE MAKMAL

Makmal OSHECT telah menerima kunjungan pelawat dari dalam dan luar negara sepanjang tahun 2019. Sasaran jumlah pelawat dan pengguna fasiliti dan kemudahan makmal yang dibangunkan untuk tujuan lawatan adalah seramai 2,000 orang. Walau bagaimanapun, makmal OSHECT telah berjaya menerima jumlah pelawat seramai 2,265 orang termasuk makmal di cawangan, Johor. Di bawah ialah butiran senarai kehadiran lawatan makmal OSHECT sepanjang tahun 2019 :

VISITS TO THE LABORATORIES

In 2019, OSHECT Laboratories received visitors from within and outside the country. The targeted number of visitors and users to the developed laboratory amenities was 2000. However 2,265 visited OSHECT Laboratories including the laboratory in Johor Branch. Tabulated below are the visitors to OSHECT Laboratory in 2019:

TARIKH DATE	ORANISASI ORGANISATION	MAKMAL LABORATORY
4/2/2019	Politeknik Melaka	HEAL, EEL
4/2/2019 & 28/8/2019	Universiti Tun Hussein Onn Malaysia	HEAL, EEL
12/2/2019	Politeknik Ibrahim Sultan, Pasir Gudang	HEAL, EEL
22/2/2019	UPNM	DML, FPETL
20/3/2019	TLDM	DML, FPETL
27/3/2019	Kumpulan Pendidikan Yayasan Pelajaran Johor	HEAL, EEL
28/3/2019	Politeknik Shah Alam	DML, FPETL, OHL
24/4/2019	UTM	HEAL, EEL
1/7/2019	Universiti Selangor	HEAL, EEL
2/7/2019	Industri Kecil Sederhana	DML, FPETL
2/7/2019	Perpustakaan UKM	DML, FPETL, OHL
3/7/2019	KWSP Shah Alam	DML, FPETL, OHL, CHL
3/7/2019 & 28/7/2019	Universiti Teknologi Malaysia	HEAL, EEL

28/7/2019	Universitas Sebelas Maret, Surakarta, Indonesia	HEAL, EEL
10/7/2019 & 24/7/2019	Institut Veterinar	DML, FPETL, OHL, CHL
29/7/2019	FRI Gelang Patah	HEAL
29/7/2019	RTM Angkasapuri	HEAL
18/8/2019	Universiti Islam Antarabangsa Malaysia Kampus Kuantan	HEAL, EEL
28/8/2019	Asian Occupational Safety and Health Research Institute (AOSHRI)	DML, FPETL, CHL, OHL
28/8/2019	UiTM Segamat	HEAL, EEL
29/8/2019	KUIS	OHL, DML
5/9/2019	K. Vokasional Alor Gajah	DML, FPETL, PSL
19/9/2019	Universiti Muhamadiyah Semarang, Indonesia	DML, OHL, CHL, FPETL
23/9/2019	Peserta Kursus Third Country Training Programme (TCTP) 2019	DML, FPETL, OHL
29/10/2019	NIOSH-Serba Dinamik Group Sdn Bhd	FPETL, PSL
7/11/2019	Netherlands Maritime Institute of Technology	HEAL, EEL
7/11/2019	UNIKL	CHL, FPETL, OHL
15/11/2019	UM	OHL, FPETL, PSL, DML
5/12/2019	UPSI	FPETL, DML, PSL, OHL
10/12/2019	UPM	FPETL, DML, CHL
12/12/2019	UITM	FPETL, DML, CHL, OHL
15/12/2019	UKM	HEAL, EEL
19/12/2019	UMT	CHL, OHL
19/12/2019	UKM	CHL, OHL

28/7/2019	UMK	HEAL, EEL
30/12/2019	UIA – Perbincangan kaedah kajian (Dr. Ailin) <i>UIA – Discussion on method of study (Dr. Alin)</i>	SECL
31/12/2019	Koperasi Permodalan Melayu Negeri Johor	HEAL, EEL

Sehubungan dengan itu, jumlah pelawat mengikut makmal OSHECT boleh dibahagikan seperti berikut:

The breakdown of visitors to the Laboratories are as follows:

MAKMAL LABORATORY	BILANGAN PELAWAT NO. OF VISITOR
CHL	372
DML	623
OHL	432
FPETL	502
HEAL & EEL	183
PSL	151
SECL	2
JUMLAH TOTAL	2,265

OUTCOME/OUTPUT



28 Ogos - Wakil dari AOSHRI

28 August - Representatives from AOSHRI



19 September - Pelajar Perubatan Tahun 4 dari Universitas Muhammadiyah Semarang, Indonesia

19 September - 4th. year medical students of Universitas Muhammadiyah Semarang, Indonesia



23 September - Peserta kursus Third Country Training Programme (TCTP)

23 September - Third Country Training Programme (TCTP) Participants



29 Oktober - Lawatan dari kerajaan Guyana dan Serba Dinamik Sdn Bhd

29 October - Visit from Guyana Government and Serba Dinamik Sdn. Bhd.



12 Disember - Pensyarah-pensyarah UiTM

12 December - Visit by UiTM Lecturers



5 Disember-Pelajar tahun 3 dan 4 kursus Keselamatan dan Kesihatan dari UPSI

5 December - 3rd and 4th year students from Safety and Health courses from UPSI

OUTCOME/OUTPUT

OUTCOME/OUTPUT

BIL. NO.	OUTCOME / OUTPUT OUTCOME / OUTPUT	JUMLAH TOTAL	CATATAN NOTES
1.	Jumlah industri, industri pengajian/penyelidikan dan pengamal KKP kerjasama dengan NIOSH dalam mendapatkan maklumat, rujukan dan bantuan ke arah pematuhan perundangan berkaitan KKP Total number of industry, learning/research industry and OSH practitioners collaborating with NIOSH to obtain information, reference and assistance towards legislative compliance pertaining OSH.	10	•DML : UMT, UIA dan UTHM •HEAL : UTM, TNB Research, FRI Gelang Patah •EEL : BULLARD, TECHHAUS SDN BHD •FPETL : Honeywell, SIRIM •DML : UMT, UIA dan UTHM •HEAL : UTM, TNB Research, FRI Gelang Patah •EEL : BULLARD, TECHHAUS SDN BHD •FPETL : Honeywell, SIRIM
2.	Jumlah modul latihan baru berkaitan KKP yang dibangunkan dengan kemudahan makmal yang dibangunkan Number of new OSH training modules developed utilising the laboratory facilities	3	Interactive Training Series - Confined Space, Working at Height, Laboratory Safety Interactive Training Series - Confined Space, Working at Height, Laboratory Safety
3.	Jumlah projek R&D yang dijalankan dengan menggunakan fasiliti dan kemudahan makmal yang dibangunkan Number of R&D projects implemented utilising the developed laboratory facilities and amenities	6	OHL, CHL, FPETL, DML, HEAL, EEL OHL, CHL, FPETL, DML, HEAL, EEL
4.	Jumlah projek R&D&C melalui kerjasama dengan industri, institusi pengajian / penyelidikan luar Number of R&D&C projects in collaboration with industry, research institute/external research	1	OHL OHL

5.	Jumlah penerbitan hasil kajian <i>Number of published studies</i>	6	OHL, CHL, FPETL, DML, HEAL, EEL <i>OHL, CHL, FPETL, DML, HEAL, EEL</i>
6.	Jumlah sampel makmal yang dihantar untuk diperiksa <i>Number of laboratory samples sent for examination</i>	10,000	CHL- 8622 DML - 2910 sampel (35 brand respirator) FPETL -198 sampel <i>CHL- 8622</i> <i>DML - 2910 sampel (35 brand respirator)</i> <i>FPETL -198 sampel</i>
7.	Jumlah penghasilan inovasi baru untuk peralatan kawalan hazard <i>Total production of new innovations for hazard control equipment</i>	8	HEAL, EEL <i>HEAL, EEL</i>
8.	Jumlah pelawat dan pengguna fasiliti dan kemudahan makmal yang dibangunkan untuk tujuan lawatan dan medan praktikal <i>Total number of visitors and users utilising the developed laboratory facility and amenities for the purpose of official visit or practical training.</i>	2,265	OSHECT <i>OSHECT</i>
9.	Jumlah IP atau patent <i>Total number of IP or patent</i>	1	HEAL (Kajian Anthropometrik) <i>HEAL (Anthropometric Study)</i>
10.	Jumlah anugerah dan penghargaan yang berprestij <i>Total number of award and prestigious accreditation</i>	1	IKM Award 2019 <i>IKM Award 2019</i>
11.	Jumlah tenaga pakar dan penyelidik baru yang dibangunkan <i>Number of experts and researchers newly developed</i>	10	OSHECT <i>OSHECT</i>
12.	Jumlah fasiliti dan kemudahan makmal yang boleh dikomersialkan penggunaanya <i>Number of facilities and laboratory amenities that can be commercialized for use</i>	3	CHL, GCL, DML <i>CHL, GCL, DML</i>

Jadual di bawah menunjukkan prestasi sampel bulanan Makmal CHL bagi tahun 2019

The table below shows the monthly performance on samples done in CHL Laboratory in 2019

BULAN MONTH	JENIS SAMPEL / SAMPLE TYPE		
	PERSEKITARAN ENVIRONMENT	BIOLOGI BIOLOGY	KUANTITI QUANTITY
JANUARI JANUARY	199	449	648
FEBRUARI FEBRUARY	327	246	573
MAR MARCH	264	280	544
APRIL APRIL	429	326	755
MEI MAY	170	214	384
JUN JUN	129	296	425
JULAI JULY	558	912	1470
OGOS AUGUST	237	802	1039
SEPTEMBER SEPTEMBER	394	616	1010
OKTOBER OCTOBER	200	383	583
NOVEMBER NOVEMBER	175	414	589
DISEMBER DICEMBER	142	460	602
JUMLAH SAMPEL TOTAL SAMPLE	3,224	5,398	8,622

Berikut adalah pelantikan kakitangan (tambahan) mengikut bidang kepakaran masing-masing pada tahun 2019:

Below are the appointment of additional staff in 2019 according to their field of specialization:

BIL. NO.	PERKARA ITEM	MAKMAL LABORATORY
1.	Approved Signatory (AS) Chemistry, Nazhatul Marina	CHL CHL
2.	Approved Signatories(AS) Biology, Rochi Bakel & Nor Fitriyana	CHL CHL
3.	Radiation Protection Worker (RPO) – Nazhatul Marina	CHL CHL

KESIMPULAN

Kesimpulannya, pusat ini dalam usaha ke arah untuk menjadikan NIOSH sebagai pusat penyelidikan dan pengkomersialan yang cemerlang dalam bidang KKP. Ini dapat dilihat dalam usaha kerjasama NIOSH bersama pengamal industri dan industri penyelidikan yang dijalankan menerusi kerjasama antara universiti tempatan seperti UMT, UTHM, UIA dan juga pembekal seperti Honeywell. Selain itu, Kerjasama bersama institusi piawaian seperti SIRIM juga telah dapat dilaksanakan.

Penubuhan pusat ini juga menyediakan satu keperluan fasiliti berteknologi bagi tujuan pengesanan dan seterusnya dapat digunakan sebagai makmal penyelidikan. Beberapa projek kajian dan pembangunan juga telah dijalankan seperti Market Surveillance Testing of Filtering Face Piece Respirators (DML). Hasil kajian ini diterbitkan melalui platform yang telah dikenalpasti dan mendapat maklum balas yang memberangsangkan daripada pelbagai pihak.

Di samping itu, OSHECT menjadi satu pusat lawatan serta medan praktikal bagi keperluan industri di Malaysia. Kesedaran penggunaan kawalan hazard yang bersesuaian dan dibenarkan ditunjukkan kepada umum dengan berkonsepkan makmal mesra pelanggan. Jumlah pelawat bagi OSHECT juga menepati sasaran di mana lebih 2,000 pelawat direkodkan pada tahun 2019.

Penganugerahan daripada IKM Award untuk kali ke sembilan berturut-turut diberikan kepada makmal CHL yang telah menjalankan analisis hampir 10,000 sampel setiap tahun dan diikuti oleh makmal lain yang juga dikomersialkan penggunaannya seperti FPETL dan DML.

CONCLUSION

This centre has established NIOSH as a leading research and commercialisation centre in Occupational Safety and Health. It is realized through the cooperation between the industry practitioners and collaboration with research institutions as in local universities like UMT, UTHM, UIA as well as suppliers for instance, Honeywell. Apart from that, cooperation with the Standard Institute, SIRIM was also executed.

The establishment of this centre provides need for technological facilities for verification and further as a research laboratory. A number of research and development projects, for instance The Market Surveillance Testing of Filtering Face Piece Respirators (DML) was carried out in this centre. The outcome of the research was published through an identified platform and has received encouraging response from various parties.

In addition, OSHECT has become a centre for visits and practical field which suits the nation's industry needs. Applying the client friendly laboratory concept, it discloses to the public an appropriate and justified manner in Hazard Control. OSHECT also met its targeted number of visitors when it recorded more than 2,000 in 2019.

The CHL Laboratory has received the IKM Award for nine consecutive year, The HCL Laboratory had provided analysis on almost 10,000 samples each year and it will be a benchmark to other commercialized laboratories like FPETL and DML.

Secara keseluruhannya, output penubuhan OSHECT telah hampir berjaya dicapai bagi tahun 2019. Namun begitu, diharapkan penambahbaikan berterusan perlu diperkukuhkan lagi bagi meningkatkan kualiti khidmat teknikal dan penyelidikan yang berkaitan. Hasil daripada khidmat teknikal dan penyelidikan tersebut dapat membantu mengurangkan jumlah kemalangan dan penyakit pekerjaan di Malaysia seterusnya dapat meningkatkan kualiti perhidmatan NIOSH selaras dengan misi dan visi NIOSH untuk menjadi peneraju dalam bidang KKP.

As a whole, in 2019 OSHECT almost reached its establishment output. Nevertheless, continuous improvement should be implemented to enhance the technical quality and related research services. The outcome of the technical and research services helped to reduce the number of occupational accidents and illnesses in Malaysia and so on to improve on the quality of services provided by NIOSH in realizing its mission and vision to be a leader in Occupational Safety and Health.

LAPORAN TAHUNAN NIOSH
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INSTITUT KESELAMATAN DAN KESIHATAN PEKERJAAN NEGARA
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PENYEBARAN MAKLUMAT

INFORMATION DISSEMINATION

PENYEBARAN MAKLUMAT

Aktiviti penyebaran maklumat bertujuan membantu mereka yang bertanggungjawab ke atas Keselamatan dan Kesihatan Pekerjaan (KKP) menyediakan maklumat terkini dari dalam dan luar negara.

NIOASH sentiasa bergerak aktif dalam mempromosi dan mempertingkatkan aktiviti KKP bagi memenuhi permintaan pelanggan di seluruh negara.

Pelbagai aktiviti telah dijalankan seperti seminar, pameran, ceramah, persidangan, bengkel, serta menerbitkan pelbagai bahan bagi meningkatkan pengetahuan KKP seperti FYI, buletin, brosur, poster, buku, jurnal KKP dan medium elektronik.

INFORMATION DISSEMINATION

Information dissemination activities are aimed at assisting those who are responsible for Occupational Safety and Health (OSH) by providing them with the latest information from both local and abroad.

NIOASH is consistently active in promoting and enhancing OSH-related activities to meet the needs and requirements of its clients from all over the country.

Various activities were carried out such as seminars, exhibitions, talks, conferences, workshops, as well as publication of various materials to increase the knowledge on OSH, such as the FYI Bulletin, brochures, posters, books, pocket books, OSH Journals and electronic platforms.

AKTIVITI PENYEBARAN MAKLUMAT INFORMATION DISSEMINATION ACTIVITIES

Bil No.	Butiran Details	Bilangan Aktiviti No.of Activities	Bilangan Peserta No.of Participants
1.	Persidangan Conferences	2	1,437
2.	Seminar Seminars	55	5,205
3.	Ceramah Talks	177	15,575
4.	Pameran/Lawatan Exhibitions/Visits	243	39,601
5.	Penerbitan Publications	65	-



Jadual 1: Bilangan aktiviti Penyebaran Maklumat
Table 1 : Number of Information Dissemination Activities

PERSIDANGAN DAN PAMERAN KESELAMATAN DAN KESIHATAN PEKERJAAN KALI KE-22 (COSH 2019)

Pada 26-27 Ogos 2019, NIOSH telah menganjurkan Persidangan dan Pameran Keselamatan dan Kesihatan Pekerjaan 2019 (COSH 2019) kali ke-22 di Kuala Lumpur Convention Centre (KLCC). Bertemakan "Driving OSH Excellence with Integrity for the Future", persidangan ini berlangsung dengan jayanya atas sokongan daripada lebih 1,000 penggiat Keselamatan dan Kesihatan Pekerjaan (KKP). Persidangan dua hari itu menjadi platform utama penggiat KKP mendalami cabaran dan isu-isu utama bidang itu.

Perasmian persidangan disempurnakan oleh Menteri Sumber Manusia YB M. Kula Segaran pada hari pertama persidangan tersebut. Turut hadir ialah Pengerusi Institut Keselamatan dan Kesihatan Pekerjaan Negara (NIOSH), Tan Sri Lee Lam Thye.

COSH 2019 adalah forum terbaik kepada majikan dan pekerja untuk mengetahui maklumat serta perkembangan terkini di dalam bidang KKP serta dapat menghasilkan cetusan idea dan pendekatan berguna bagi membantu majikan dan pekerja secara amnya dan kerajaan khususnya melaksanakan usaha penambahbaikan berterusan.

22nd CONFERENCE AND EXHIBITION ON OCCUPATIONAL SAFETY AND HEALTH (COSH 2019)

The 22nd Conference and Exhibition on Occupational Safety and Health" (COSH 2019) was held at the Kuala Lumpur Convention Center (KLCC) from the 26th to the 27th of August 2019. With the theme "Driving OSH Excellence with Integrity for the Future", the conference was successfully organised with the support of more than 1,000 Occupational Safety and Health (OSH) practitioners. The two-day conference served as a platform for OSH practitioners to address challenges and main issues in the field.

COSH 2019 was officiated by the Minister of Human Resources, YB M. Kula Segaran, on 26th August 2019. Also present at the event is NIOSH Chairman, Tan Sri Lee Lam Thye.

COSH 2019 was the best forum for employers and employees to find out about the latest information and development in the OSH field, as well as to develop new ideas and useful approaches that would help the employers and their staff in general, as well as the government in particular, in implementing enhancement efforts on a continuous basis.

Sebanyak 18 sesi persidangan diadakan secara serentak pada hari kedua, melibatkan 18 pakar tempatan dan antarabangsa dari pelbagai bidang. Ini adalah satu peluang yang baik bagi para peserta kerana mereka juga boleh belajar perkara baru daripada penceramah asing termasuk dari Amerika Syarikat, Jepun, Korea Selatan, Taiwan, Thailand, Singapura, Sri Lanka selain pakar tempatan yang telah menyokong sepanjang COSH berlangsung. Isu utama yang dikemukakan oleh 18 penceramah tempatan dan asing adalah isu etika, integriti dan cabaran yang dihadapi para profesional dan pengamal KKP serta pembuat dasar.

COSH 2019, yang merupakan edisi ke-22 ini berjaya menarik lebih daripada 1,000 peserta manakala kira-kira 57 syarikat terbabit dalam pameran produk dan perkhidmatan mereka. Lebih daripada 3,000 pelawat juga turut memeriahkan COSH 2019 dengan melawat pameran KKP yang diadakan serentak dengan acara dua hari itu. Ia tidak mungkin berjalan dengan lancar tanpa sokongan daripada semua peserta, tempatan dan antarabangsa. Fakta bahawa COSH mampu menarik lebih ramai peserta bermakna kesedaran mengenai KKP di negara ini telah bertambah baik sejak beberapa tahun lalu dan ia akan menjadikan Malaysia yang lebih selamat dan sihat.

On the second day of the conference, a total of 18 papers were presented simultaneously by 18 local and international experts in various fields. This is a precious opportunity for the participants as they are able to be updated with the latest information from speakers from the United States, Japan, South Korea, Taiwan, Thailand, Singapore, Sri Lanka apart from the local experts giving full support throughout the conference. The main issues addressed by all 18 speakers are ethics, integrity and challenges faced by professionals, OSH practitioners and policy makers.

The 22nd COSH 2019 has drawn the attention of more than 1,000 participants with 57 exhibitors from companies and suppliers displaying their products and services. More than 3,000 visitors joined COSH to visit the OSH exhibition held during the two-day conference. The support given by both international and local participants has made COSH 2019 a great success. The increasing number of participants proved that OSH awareness has improved over the years towards a safe and healthy Malaysia.

COSH 2019



COSH 2019



PERSIDANGAN DAN PAMERAN KESELAMATAN DAN KESIHATAN PEKERJAAN BORNEO KALI KE 6 (BOSH2019)

KUCHING: 16 Oktober 2019, Persidangan dan Pameran Keselamatan dan Kesihatan Pekerjaan Borneo Kali Ke 6 (BOSH2019) berlangsung selama dua hari iaitu pada 15-16 Oktober 2019. Majlis dirasmikan oleh YB Datuk Haji Talib bin Zulpilip, Menteri di Jabatan Ketua Menteri Sarawak (Integriti dan Ombudsman).

Ucapan alu-aluan disampaikan oleh Pengerusi NIOSH, YB Alice Lau Kiong Yieng dan majlis tersebut turut dihadiri oleh Tuan Hj Ayop Salleh, Pengarah Eksekutif NIOSH. BOSH2019 bertemakan "Industrial Transformation: OSH Engagement for Future Skills and Works".

BOSH2019 pada kali ini berjaya mengumpulkan lebih 400 peserta dan 24 organisasi pempamer dari sektor kerajaan dan swasta di Sabah dan Sarawak. Platform dwi-tahunan ini dianjurkan secara berselang seli antara Sabah dan Sarawak bagi mengumpulkan pakar KKP untuk bertukar-tukar maklumat dan berkongsi pengalaman di dalam pengurusan keselamatan dan kesihatan di tempat kerja.

6th BORNEO CONFERENCE AND EXHIBITION ON OCCUPATIONAL SAFETY AND HEALTH (BOSH2019)

KUCHING: 16 October 2019, The Minister in the Sarawak Chief Minister's Office (Integrity and Ombudsman), YB Datuk Haji Talib bin Zulpilip officiated the 6th, Borneo Conference and Exhibition (BOSH 2019) which took place on 15-16 October 2019.

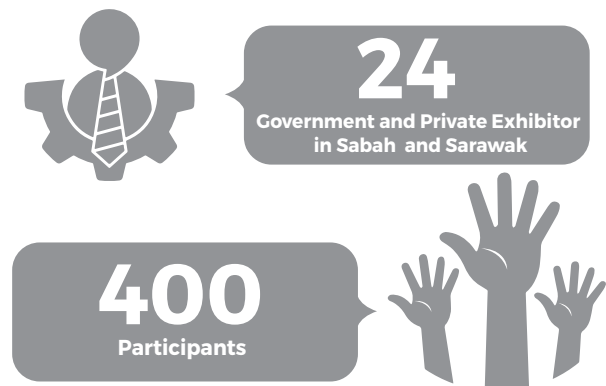
The welcome address was delivered by NIOSH Chairman, YB Alice Lau Kiong Yieng. Also present was NIOSH Executive Director, Tuan Haji Ayop Salleh. The theme for BOSH 2019 is "Industrial Transformation: OSH Engagement for Future Skills and Works".

More than 400 participants and 24 government and private exhibitors in Sabah and Sarawak gathered in BOSH 2019. This biennial programme is being held alternately in Sabah and Sarawak. It acts as a platform for OSH experts to share knowledge and information on safety and health management at workplace.

BOSH 2019



BOSH 2019



Pada hari kedua, 16 Oktober 2019, 10 penceramah dari agensi kerajaan dan swasta telah membentangkan kertas kerja dan satu sesi forum bersama dengan penerima Anugerah Perdana Belia Negara 2019 telah diadakan bagi berkongsi idea dan pengalaman dengan para peserta.

SEMINAR KESELAMATAN DAN KESIHATAN PSIKOLOGI PEKERJAAN

Pada 7-8 Ogos 2019, telah berlangsung majlis perasmian. Seminar Keselamatan dan Kesihatan Psikologi Pekerjaan 2019 program anjuran bersama NIOSH dan Jabatan Perkhidmatan Awam (JPA) itu dirasmikan oleh YBhg. Tan Sri Lee Lam Thye, Pengerusi NIOSH di Dewan Akasia, Agensi Antidadah Kebangsaan, Kajang Selangor.

Objektif utama seminar tersebut diadakan adalah bagi memberi kefahaman dan kesedaran dalam bidang Keselamatan dan Kesihatan seperti Perundangan, Sistem Pengurusan KKP, Jawatankuasa KKP, Polisi dan perkara berkaitan.

NIOSH kini sedang membangunkan rangka kerja, alat bantu dan modul program dengan objektif utamanya adalah untuk mewujudkan penyelesaian secara komprehensif. Ia akan membolehkan NIOSH menjadi pusat sehenti (one stop centre) kepada industri untuk rujukan dan bimbingan isu kesihatan mental di tempat kerja.

Turut hadir Pengarah Bahagian Pengurusan Psikologi JPA Datuk Seri Dr Mat Ali Hassan, Setiausaha Eksekutif NIOSH Mej (B) Hanif Maidin dan Pengurus Besar Bahagian Perundangan, Penyelidikan dan Pembangunan NIOSH Khairunnizam Mustapa.

On the second day of the conference, 10 papers were presented by presenters from government and private agencies. A forum with the National Youth Award 2019 recipient was also held with the spirit of sharing ideas and experience with the participants.

SEMINAR ON OCCUPATIONAL PSYCHOLOGY SAFETY AND HEALTH

A Seminar on Occupational Psychology Safety and Health organised by NIOSH in collaboration with the Public Service Department was held on 7-8th August 2019 at Akasia Hall, National Anti-Drugs Agency, Kajang Selangor. It was officiated by NIOSH Chairman, YBhg. Tan Sri Lee Lam Thye.

The main objective of this seminar is to create understanding and awareness in Safety and Health pertaining to Legislation, OSH Management System, OSH Committee, Policy and other related matters.

To achieve its main objective, NIOSH is developing the framework, tools and modules to create solution in a comprehensive manner. This will enable NIOSH to be the One Stop Centre to be referred to by the industry when in need of guidance on mental health issues at workplace.

Also present are the Public Service Department Director (Psychology Management), Datuk Seri Dr. Mat Ali Hassan, NIOSH Executive Secretary Mej (R) Hanif Maidin and NIOSH Consultation, Research and Development General Manager, Khairunnizam Mustapa

Program tersebut akan dibangunkan secara berperingkat dengan fasa pertama memberi fokus terhadap usaha meningkatkan kesedaran kesihatan mental dan menghapuskan stigma kesihatan mental di tempat kerja. Fasa berikutnya akan memberi fokus pengurusan masalah kesihatan mental di tempat kerja melalui penglibatan majikan dan pekerja.

The programme will be developed in stages. To increase awareness in mental health and to eliminate mental health stigma at workplace is the main focus in the first stage. The next stage will focus on managing mental health problems at work with the involvement of employers and employees.

NIOSH turut merancang membangunkan modul 'Psychological First Aid' (Pertolongan Cemas Psikologi) bagi membantu majikan dan pekerja memberikan bantuan awal kepada mereka yang berhadapan dengan masalah mental di tempat kerja. Ia adalah antara modul yang dirancang untuk disampaikan kepada industri. Seminar dua hari itu dihadiri oleh hampir 400 peserta dari pelbagai agensi kerajaan dan ahli NIOSH.

NIOSH is also planning to develop Psychological First Aid Module to assist employers and employees to provide early assistance to those with mental problems at work. It is one of the modules to be delivered to the industry. Almost 400 participants from various government agencies and NIOSH members attended the two-day seminar.

SEMINAR KESELAMATAN DAN KESIHATAN PSIKOLOGI PEKERJAAN



SEMINAR ON OCCUPATIONAL PSYCHOLOGY SAFETY AND HEALTH





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A group of business professionals are gathered around a table, focused on a laptop screen. A woman with long, wavy blonde hair, wearing a patterned top, is pointing at the screen. Other individuals, including a man in a blue suit, are visible in the background, some looking at the screen and others at documents. The scene is brightly lit, suggesting an office or conference room environment.

PEPERIKSAAAN DAN PERSIJILAN

EXAMINATION AND CERTIFICATION

AKTIVITI PEPERIKSAAN DAN PENILAIAN

Bahagian Peperiksaan dan Persijilan NIOSH bertanggungjawab sebagai pusat peperiksaan untuk penyedia latihan yang berdaftar dengan Jabatan Keselamatan dan Kesihatan Pekerjaan (JKKP) bagi 12 jenis program dimana kesemua aktiviti peperiksaan dan penilaian kompetensi perundangan tersebut adalah di bawah kawalselia Lembaga Peperiksaan Kompetensi Keselamatan dan Kesihatan Pekerjaan (LPKKKP).

Calon-calon yang telah lulus peperiksaan dan penilaian di bawah peperiksaan kompetensi perundangan adalah layak untuk mendaftar sebagai Orang Yang Kompeten (OYK) dengan JKKP.

Manakala bagi aktiviti peperiksaan dan penilaian kompetensi bukan perundangan dan jurulatih pula, ianya adalah dibawah kawalselia Jawatankuasa Peperiksaan NIOSH (JPN).

Pada tahun 2019, Bahagian Peperiksaan dan Persijilan NIOSH telah melaksanakan sebanyak 3,684 aktiviti peperiksaan dan penilaian kompetensi perundangan, kompetensi bukan perundangan dan jurulatih dengan jumlah calon 65,737 orang di seluruh negara.

Berikut adalah aktiviti peperiksaan dan penilaian yang dilaksanakan oleh Bahagian Peperiksaan dan Persijilan sepanjang tahun 2019:

EXAMINATION AND ASSESSMENT ACTIVITIES

The NIOSH Examination and Certification Division takes the responsibility as the examination centre for training providers registered with the department of Occupational Safety and Health (DOSH) which offer 12 training programmes. All the examination and assessments for the regulatory competency training are monitored by the Occupational Safety and Health Competency Examination Board.

Candidates who passed the examination and assessment under the regulatory competency requirements are equalified to register as Competent person with DOSH

Meanwhile, non-legislative examinations and assesments and those for trainers are monitored by NIOSH Examination Committee.

In 2019, the Examination and Certification Division has conducted 3,684 examination and assessment activities on legislative competency non-legislative competency and trainers which involves 65,737 participants nationwide.

Listed below are the examination and assessment activities conducted in 2019 by the Examination and Certification Division.

AKTIVITI PEPERIKSAAN DAN PENILAIAN EXAMINATION AND ASSESMENT ACTIVITIES

Aktiviti Peperiksaan dan Penilaian Examination and Assessment Activities	Jumlah Program Total Programmes	Jumlah Calon Total Candidates
Peperiksaan Kompetensi Perundangan Regulatory Competency Examinations	1,062	21,962
Peperiksaan Kompetensi Bukan Perundangan Non-regulatory Competency Examinations	2,546	42,818
Peperiksaan Jurulatih Trainer Examinations	76	957
Jumlah / Total	3,684	65,737

Jadual 1 : Aktiviti Peperiksaan dan Penilaian Tahun 2019
Table 1: Examination and Assessment Activities in 2019

Bil No.	Aktiviti Peperiksaan dan Penilaian <i>Examination and Assessment Activities</i>	Bilangan Calon <i>Number of Candidates</i>	Bilangan Peperiksaan <i>No of Examinations</i>
PEPERIKSAAN KOMPETENSI PERUNDANGAN <i>REGULATORY COMPETENCY EXAMINATION</i>			
1.	Pegawai Keselamatan Dan Kesihatan <i>Safety and Health Officer</i>	4,313	10
2.	Penyelia Keselamatan Tapak Bina (Kertas 1) <i>Site Safety Supervisor (Paper 1)</i>	2,994	176
3.	Penyelia Keselamatan Tapak Bina (Kertas 2) <i>Site Safety Supervisor (Paper 2)</i>	3,787	9
4.	Operator Kren <i>Crane Operator</i>	3,422	352
5.	Penguji Gas Bertauliah Dan Penyelia Kemasukan Bagi Ruang Terkurung <i>Authorised Gas Tester And Entry Supervisor For Confined Space</i>	4,351	280
6.	Latihan Semula Penguji Gas Bertauliah Dan Penyelia Kemasukan Bagi Ruang Terkurung <i>Authorised Gas Tester And Entry Supervisor For Confined Space Refresher</i>	2,048	198
7.	Penaksir Kualiti Udara Dalamam <i>Indoor Air Quality Assessor</i>	23	3
8.	Pemantauan Ke Atas Pendedahan Bunyi Bising <i>Monitoring Of Noise Exposure</i>	15	1
9.	Perancah Asas <i>Basic Scaffolding</i>	325	20
10.	Penaksiran Risiko Kimia Kepada Kesihatan *Peperiksaan ditangguhkan sehingga dimaklumkan <i>Chemical Health Risk Assessment</i> *The examination is postponed until further notice	-	-

11.	Juruteknik Higien 1 (Pemonitoran Kimia) <i>Hygiene Technician 1 (Chemical Monitoring)</i>	47	3
12.	Juruteknik Higien 2 (Pemeriksaan, Pengujian Dan Penilaian Peralatan Kawalan Kejuruteraan) <i>Hygiene Technician 2 (Inspection, Testing And Examination Of Engineering Control Equipment)</i>	65	3
13.	Doktor Kesihatan Pekerjaan <i>Occupational Health Doctor</i>	461	5
14.	Program Peralihan Kompetensi Bunyi Bising <i>Transition Noise Competency Program</i>	111	2

PEPERIKSAAN KOMPETENSI BUKAN PERUNDANGAN
REGULATORY NON COMPETENCY EXAMINATION

15.	Asas Rigging and Slinging <i>Basic Rigging and Slinging</i>	34	2
16.	Jururawat Kesihatan Pekerjaan <i>Occupational Health Nurse</i>	64	5
17.	Penaksir Hilang Upaya Perubatan Bertauliah <i>Certified Medical Impairment Assessor</i>	231	3
18.	Pengendalian Selamat Trak Angsun <i>Safe Handling of Forklift Truck</i>	527	51
19.	Orang Yang Dibenarkan Masuk Dan Orang Menjaga Bagi Ruang Terkurung <i>Authorised Entrant And Standby Person For Confined Space</i>	23,761	1,334
20.	Latihan Semula Orang Yang Dibenarkan Masuk Dan Orang Menjaga Bagi Ruang Terkurung <i>Authorised Entrant And Standby Person For Confined Space Refresher</i>	15,036	914
21.	Menyelamat di Ruang Terkurung dan Tindakan Awalan <i>Confined Space Rescue and First Response</i>	95	12
22.	Keselamatan Bagi Kemasukan Ke Ruangan Inert <i>Inert Space Entry Training</i>	79	9
23.	Latihan Semula Keselamatan Bagi Kemasukan Ke Ruangan Inert <i>Inert Space Entry Training Refresher</i>	27	5

24.	Asas Pertolongan Cemas Pekerja <i>Basic Occupational First Aid</i>	499	36
25.	Bekerja Selamat Di Tempat Tinggi <i>Working Safely At Height</i>	2,344	166
26.	Keselamatan Pengendalian Jet Air Bertekanan Tinggi <i>Safe Operation of High Pressure Water Jet</i>	121	9

PEPERIKSAAN JURULATIH TRAINER EXAMINATION

27.	Jurulatih Bagi Program Keselamatan Ruang Terkurung <i>Confined Space Safety (Trainer's Program)</i>	13	1
28.	Jurulatih Keselamatan dan Kesihatan Pembinaan <i>Construction Safety and Health Trainers</i>	114	12
29.	Latihan Untuk Jurulatih <i>Train The Trainer</i>	694	49
30.	Pengurusan Latihan Untuk Perniagaan <i>Training Management for Business</i>	13	3
31.	Jurulatih Pasport Keselamatan Minyak & Gas <i>Oil And Gas Safety Passport Trainers</i>	37	4
32.	Jurulatih Pasport Keselamatan Sarawak Energy <i>Sarawak Energy Safety Passport Trainers</i>	35	1
33.	Jurulatih Bekerja Selamat Di Tempat Tinggi <i>Working Safely At Height Trainers</i>	4	2
34.	Jurulatih Pasport Keselamatan Operasi Lebuhraya <i>Expressway Operations Safety Passport Trainers</i>	20	1
35.	Jurulatih Pasport Keselamatan NIOSH-Astro <i>NIOSH-Astro Safety Passport Trainers</i>	13	2
36.	Jurulatih Pasport Keselamatan CENVIRO <i>CENVIRO Safety Passport Trainers</i>	14	1
Total / Jumlah		65,737	3,684



Jadual 2 – Jenis Peperiksaan / Penilaian dan Jumlah Calon Tahun 2019

Table 2 – Types of Examination / Assessment and Number of Candidates in 2019

LAPORAN TAHUNAN NIOSH
2019
NIOSH Annual Report

INSTITUT KESELAMATAN DAN KESIHATAN PEKERJAAN NEGARA
NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH (NIOSH)

PENGURUSAN PROJEK
PROJECT MANAGEMENT

LAPORAN AKTIVITI BAHAGIAN PENGURUSAN PROJEK (PMD) 2019

Sepanjang tahun 2019, Bahagian Pengurusan Projek (PMD) berjaya menyiapkan 31 projek pembangunan di ibu pejabat dan pejabat-pejabat cawangan di seluruh Malaysia. Berikut adalah antara projek-projek utama yang telah dilaksanakan :-

1. Pembangunan makmal-makmal untuk projek pembangunan Pusat Penilaian Hazard dan Teknologi Kawalan (OSHECT) di Ibu Pejabat NIOSH
2. Pembekalan MTU Kompak dan pembinaan Fasiliti Latihan Ruang Terkurung di pejabat-pejabat cawangan
3. Perpindahan Pejabat Cawangan Kuantan
4. Naik taraf bilik hostel kepada bilik latihan

PROJECT MANAGEMENT DIVISION ACTIVITY REPORT 2019

Throughout 2019, the Project Management Division (PMD) has successfully accomplished 31 projects located at the headquarters and branches in Malaysia. among the main projects are:

1. Development of laboratories for OSH Hazard Evaluation and Control Technology Centre (OSHECT) at NIOSH Headquarters.
2. Supply of Compact MTU and the construction of Confined Space Training Facilities at NIOSH branches
3. Relocation of Kuantan Branch Office
4. Upgrading of hostel rooms to training rooms

Bil No.	Nama Projek Project	Tarikh Siap Date of Completion	Ringkasan / Catatan Remarks
1.	Pembangunan Makmal OSHECT Berikut: A. Makmal Kalibrasi & Pengujian B. Makmal Kejuruteraan Forensik (FEL) <i>Develop OSHECT Laboratories: A. Calibration and Evaluation Laboratory B. Forensic Engineering Laboratory (FEL)</i>	Dis 2019 <i>December 2019</i>	Pembekalan peralatan makmal dan saintifik yang berkaitan dengan program Pembangunan Pusat Penilaian Hazard dan Teknologi Kawalan KKP (OSHECT) <i>Supply of laboratory and scientific equipment for the development of the OSH Hazard Evaluation and Control Technology Centre (OSHECT)</i>

Bil No.	Nama Projek Project	Tarikh Siap Date of Completion	Ringkasan / Catatan Remarks
2.	Pembekalan MTU Kompak dan pembinaan Fasilitas Latihan Ruang Terkurung (CS) di Pejabat Cawangan Miri dan Pengerang Supply Compact MTU and construction of Confined Space Training Facilities in Miri and Pengerang	Mei 2019 May 2019	Menaik taraf dan menambah baik fasiliti latihan Ruang Terkurung mengikut standard yang ditetapkan oleh JKKP Upgrading and improving confined space facilities according to the standards set by DOSH
3.	Perpindahan Pejabat Cawangan Kuantan Ke KotaSAS, Kuantan Relocation of Kuantan Branch Office to KotaSAS, Kuantan	Dis 2019 December 2019	Melaksanakan kerja ubahsuai pejabat pentadbiran NIOSH cawangan Kuantan dan 6 bilik latihan di KotaSAS Kuantan Renovation works for administration office and 6 training rooms at Kuantan branch in KotaSAS Kuantan
4.	Naik taraf Ruang Bilik Hostel kepada Bilik Latihan Upgrade Hostel Rooms to Training Rooms	Julai 2019 July 2019	Melaksanakan kerja-kerja ubahsuai 6 bilik latihan dan 2 kemudahan tandas di tingkat 8, bangunan Menara NIOSH Renovation works for 6 training rooms and 2 lavatories located on the 8th. Floor, NIOSH Tower.

PEMBANGUNAN MAKMAL-MAKMAL OSHECT DEVELOPMENT OF OSHECT LABORATORIES



MAKMAL KEJURUTERAAN FORENSIK (FEL)
FORENSIC ENGINEERING LAB



MAKMAL PENGUJIAN DAN KALIBRASI
TESTING AND CALIBRATION LAB

**PEMBINAAN FASILITI LATIHAN RUANG TERKURUNG (CS)
DI PEJABAT – PEJABAT CAWANGAN**
**CONSTRUCTION OF CONFINED SPACE (CS) TRAINING FACILITIES
AT BRANCHES OFFICES**



PEJABAT MIRI
MIRI OFFICE



PEJABAT PENERANG
PENERANG OFFICE



PERPINDAHAN DAN PEMBANGUNAN PEJABAT CAWANGAN NIOSH KUANTAN
RELOCATION AND DEVELOPMENT OF KUANTAN BRANCH OFFICE



NAIKTARAF BILIK HOSTEL KEPADA BILIK LATIHAN
UPGRADE HOSTEL ROOMS TO TRAINING ROOMS

A low-angle, upward-looking photograph of a worker wearing a yellow safety helmet and dark clothing, positioned on the right side of the frame. The worker is working on a complex array of high-voltage electrical equipment, including numerous black insulators and metal support structures that dominate the left and center of the image. The background is a bright, slightly blurred outdoor setting with some greenery visible. The overall composition emphasizes the scale and complexity of the industrial environment.

LAPORAN TAHUNAN NIOSH 2019

NIOSH Annual Report

INSTITUT KESELAMATAN DAN KESIHATAN PEKERJAAN NEGARA
NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH (NIOSH)

**SISTEM PENGURUSAN KUALITI &
KESELAMATAN DAN KESIHATAN
PEKERJAAN**

*QUALITY & OCCUPATIONAL SAFETY
AND HEALTH MANAGEMENT SYSTEM*

SISTEM PENGURUSAN KUALITI (QMS) (MS ISO 9001:2015)

NIOSH telah melaksanakan Audit Dalam mengikut Standard MS ISO 9001:2015 seiring dengan keperluan persijilan kualiti (QMS). Audit Dalam QMS telah diadakan pada 9 hingga 29 April 2019 di Pejabat Wilayah (RO) dan 13 hingga 27 Mei 2019 di Ibu Pejabat (HQ). Audit ini juga membabitkan 14 Pejabat Wilayah dan juga Ibu Pejabat NIOSH di Bangi. Semua pihak yang terbabit juga telah menunjukkan komitmen tinggi semasa proses Audit dijalankan. Berdasarkan analisa penemuan audit, tahap keakuran dan keberkesanan pelaksanaan QMS di NIOSH adalah baik dan memenuhi keperluan minimum MS ISO 9001:2015.

QUALITY MANAGEMENT SYSTEM (QMS) (MS ISO 9001:2015)

NIOSH has conducted Internal Audit with the application of auditing guidelines to MS ISO 9001:2015 Standard to meet the requirement for Quality Management System (QMS) Certification. The QMS Internal Audit was carried out from 9th to 29th April 2019 in the regional office and from 13th to 27th May 2019 in the headquarters. The Internal Audit was also conducted at 14 regional offices and NIOSH Headquarters in Bangi. All parties involved in the Audit have shown high level of commitment during the process. Analysis on the audit findings revealed a good level of compliance and effectiveness on the implementation of QMS in NIOSH and thus met the minimum requirements for MS ISO 9001:2015 certification.

Siri Audit Audit Serial	Tarikh Date	Lokasi Location
2019	9 April - 11 April 2019	Pejabat Wilayah Sabah (SBRO-SDK) Sabah Regional Office (SBRO-SDK)
		Pejabat Wilayah Sabah (SBRO-TWU) Sabah Regional Office (SBRO-TWU)
		Pejabat Wilayah Sabah (SBRO-KK) Sabah Regional Office (SBRO-KK)
		Pejabat Wilayah Sabah (SBRO-LBN) Sabah Regional Office (SBRO-LBN)
	17 April 2019	Pejabat Wilayah Sarawak (SWRO-KCH) Sarawak Regional Office (SWRO-KCH)
	18 April 2019	Pejabat Wilayah Sarawak (SWRO-MRI) Sarawak Regional Office (SWRO-MRI)
	25 April 2019	Pejabat Wilayah Sarawak (SWRO-BTU) Sarawak Regional Office (SWRO-BTU)
	9 April 2019	Pejabat Wilayah Selatan (SRO-PRG) South Regional Office (SRO-PRG)
	10 April 2019	Pejabat Wilayah Selatan (SRO-MLK) South Regional Office (SRO-MLK)
	29 April 2019	Pejabat Wilayah Selatan (SRO-JBU) South Regional Office (SRO-JBU)

Siri Audit <i>Audit Series</i>	Tarikh <i>Date</i>	Location <i>Lokasi</i>
2019	23 April 2019	Pejabat Wilayah Utara (NRO-PNG) <i>North Regional Office (NRO-PNG)</i>
	25 April 2019	Pejabat Wilayah Utara (NRO-MJG) <i>North Regional Office (NRO-MJG)</i>
	23 April 2019	Pejabat Wilayah Pantai Timur (ECRO-KTN) <i>East Coast Regional Office (ECRO-KTN)</i>
	29 April 2019	Pejabat Wilayah Pantai Timur (ECRO-KTH) <i>East Coast Regional Office (ECRO-KTH)</i>
	13 -27 Mei 2019	Ibu Pejabat(HQ), Bangi <i>Head Quartes (HQ), Bangi</i>

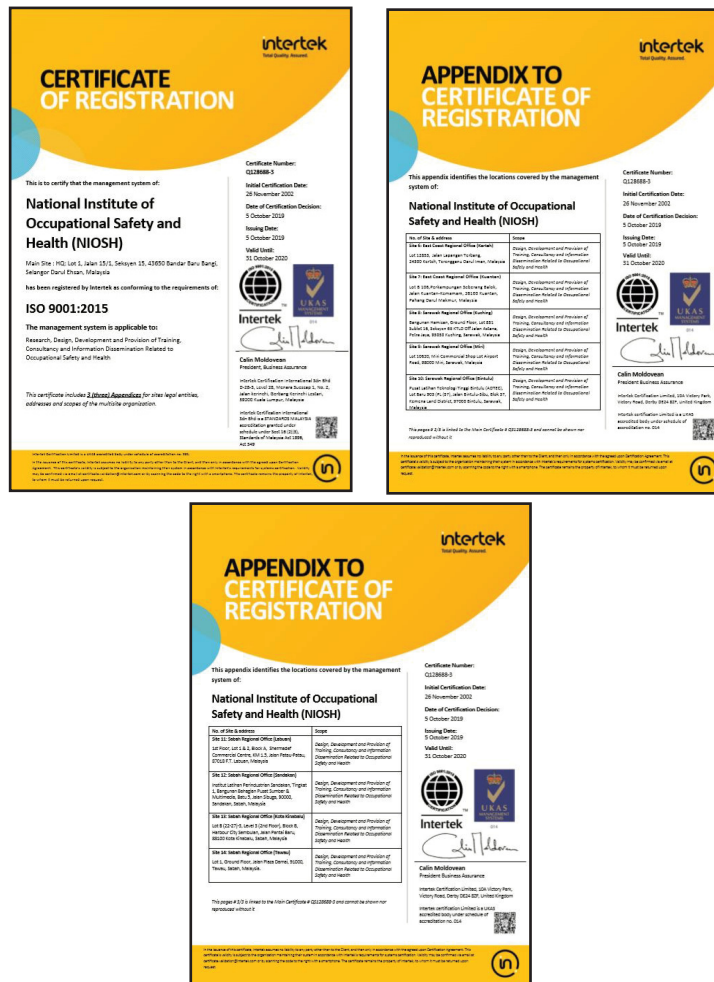


Jadual 1 : Pelaksanaan Audit Dalam QMS ISO 9001:2015 Tahun 2019

Table 1: Internal Audit QMS ISO 9001:2015 Conducted in 2019

Intertek Certification International Sdn Bhd telah menjalankan audit Persijilan MS ISO 9001:2015 secara serentak dengan Audit pengawasan QMS & OSHMS pada 3 - 6 September 2019 di Ibu Pejabat (HQ), Pejabat Wilayah Pantai Timur (Kerteh & Kuantan), Pejabat Wilayah Selatan (Johor & Melaka), Pejabat Wilayah Sarawak (Bintulu), Pejabat Wilayah Sabah (Labuan) dan Pejabat Wilayah Utara (Manjung). Secara keseluruhan, pihak badan pensijilan berpuas hati dengan tahap keakuratan dan keberkesanan pelaksanaan QMS dan OSHMS di NIOSH.

Intertek Certification International Sdn Bhd conducted the MS ISO 9001:2005 Certification Audit simultaneously with surveillance audit on QMS & OHSMS regulations on 3-6 September 2019 at the Headquarters, East Coast Regional Office (Kerteh & Kuantan), South Regional Office (Johor and Melaka), Sarawak Regional Office (Bintulu), Sabah Regional Office (Labuan) and North Regional Office (Manjung). The Auditors are of the opinion that NIOSH has satisfactorily complied with the regulatory requirements pertaining to QMS and OSHMS.



Rajah 1 : Sijil Pensijilan QMS NIOSH (ISO 9001:2015)

Diagram 1: NIOSH QMS Certification ISO 9001:2015

SISTEM PENGURUSAN KESELAMATAN DAN KESIHATAN PEKERJAAN (ISO 45001:2018)

Pensijilan bagi sistem pengurusan keselamatan dan kesihatan pekerjaan juga telah dilaksanakan di Ibu Pejabat NIOSH, Bandar Baru Bangi dan 5 Pejabat Wilayah NIOSH yang bagi ISO 45001:2018 seperti NIOSH Pejabat Wilayah Selatan (Johor Bahru), Pejabat Wilayah Utara (Penang), Pejabat Wilayah Pantai Timur (Kerteh), Pejabat Wilayah Sarawak (Bintulu), dan Pejabat Wilayah Sabah (Kota Kinabalu).

OCCUPATIONAL SAFETY AND HEALTH MANAGEMENT SYSTEM (ISO 45001:2018)

The occupational Safety and Health Management System certification has been implemented at the NIOSH Headquarters, Bandar Baru Bangi and in 5 other NIOSH Regional Offices namely the South Regional Office (Johor Bahru), North Regional Office (Penang), East Coast Regional Office (Kerteh), Sarawak Regional Office (Bintulu) and Sabah Regional Office (Kota Kinabalu).



Rajah 2: Sijil Pensijilan OSHMS (ISO 45001:2018)

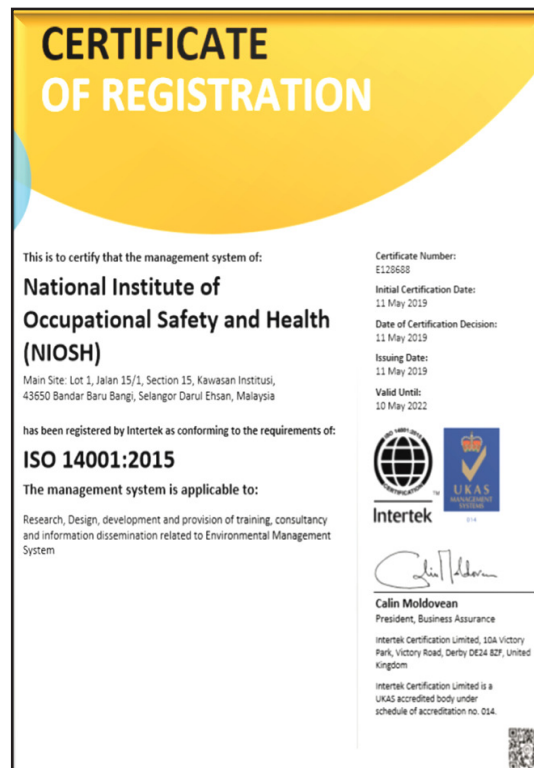
Diagram 2 : OSHMS (ISO 45001:2018) Certification

SISTEM PENGURUSAN ALAM SEKITAR (EMS) (14001:2015)

Sesi Audit Peringkat 2, Sistem Pengurusan Alam Sekitar telah dilaksanakan di Ibu Pejabat NIOSH dengan jayanya pada 18 hingga 19 April 2019. Badan Persijilan Intertek Certification International Sdn Bhd telah menjalankan sesi audit ini dan secara keseluruhan, pihak badan pensijilan berpuas hati dengan tahap keakuran dan keberkesanan pelaksanaan EMS di Ibu Pejabat NIOSH.

ENVIRONMENTAL MANAGEMENT SYSTEM (EMS) (14001:2015)

The second Audit on Environmental Management System was successfully conducted on 18 and 19 April 2019 by Intertek Certification International Sdn Bhd has conducted the audit session and overall, was satisfied with the level of compliance and the effectiveness of EMS at NIOSH Headquarters.



Rajah 3 : Sijil Pensijilan ISO 14001:2015

Diagram 3 : ISO 14001:2015 Certification

PROGRAM KESELAMATAN DAN KESIHATAN PEKERJAAN DAN ALAM SEKITAR

NIOSH turut melaksanakan program-program Kelestarian Alam Sekitar untuk meningkat minat kakitangan terhadap penjagaan dan pemuliharaan alam sekitar serta menyediakan persekitaran kerja yang selamat, sihat dan terhindar daripada aktiviti yang membawa kepada pencemaran alam sekitar di premis NIOSH. Antara program dan aktiviti yang dilaksanakan ialah:

1. Mesyuarat Jawatankuasa Keselamatan & Kesihatan Pekerjaan (KKP) dan Alam Sekitar NIOSH (NOSHECOM).

Mesyuarat ini telah dilaksanakan setiap 2 bulan sekali. Pelbagai isu berkaitan keselamatan & kesihatan pekerjaan dan juga alam sekitar dibincangkan di dalam mesyuarat ini bagi mencapai objektif dan sasaran KKP dan alam sekitar.

2. Mesyuarat Jawatankuasa Keselamatan & Kesihatan Pekerjaan NIOSH (NOSHCOM).

Mesyuarat ini hanya dilaksanakan di 5 Pejabat Wilayah yang telah diberi pensijilan Sistem Pengurusan ISO 45001:2018 dan dijalankan setiap 3 bulan sekali. Pelbagai isu berkaitan dengan keselamatan & kesihatan pekerjaan dibincangkan di dalam mesyuarat ini bagi mencapai objektif dan sasaran KKP dan alam sekitar.

OCCUPATIONAL SAFETY AND HEALTH AND ENVIRONMENT PROGRAMMES

Programmes on sustaining the environment were also carried out to boost the employees' interest to preserve and maintain the environment for a safe, healthy workplace that are also free from activities that could create pollution in NIOSH premises. Some of the activities carried out are:

1. NIOSH Occupational Safety and Health and Environment Committee Meeting (NOSHECOM)

The meetings were held every 2 months. The committee discussed on issues related to occupational safety and health and environment to achieve its objective and target in providing its employees a safe, healthy workplace free from pollution in NIOSH.

2. NIOSH Occupational Safety and Health Committee Meeting.

The meeting were held every 3 months only at 5 Regional Offices which were awarded the ISO 45001:2018 Certification the meetings discussed on relevant issues to help achieve the objective and target in providing employees safe and healthy workplace which also safe to the Environment.

3. Pemeriksaan Tempat Kerja (WPI)

Pemeriksaan tempat kerja telah dilaksanakan setiap bulan meliputi keseluruhan tempat kerja di Ibu Pejabat NIOSH, Bandar Baru Bangi manakala di Pejabat Wilayah (Penang, Johor bahr, Kerteh, Bintulu dan Kota Kinabalu) dilaksanakan 2 bulan sekali. Laporan pemeriksaan akan dibentangkan di dalam mesyuarat NOSHECOM bagi menentukan langkah kawalan yang berkesan.

4. Taklimat Keselamatan dan Kecemasan kepada Kontraktor (Tool Box Meeting)

Taklimat keselamatan kepada kontraktor akan dilaksanakan sepanjang kontraktor bekerja di dalam NIOSH. Mereka akan diberikan sedikit taklimat berkenaan dengan keselamatan dan kecemasan sebelum memulakan pekerjaan yang melibatkan risiko yang tinggi.

3. Workplace Inspection (WPI).

Workplace Inspection is done monthly at NIOSH Headquarters, Bandar Baru Bangi while Regional Offices (Penang, Johor Bahru, Kerteh, Bintulu and Kota Kinabalu) on every alternate months. The Inspection Report will be presented in the NOSHECOM Meeting to ensure an efficient control measure is taken.

4. Briefing to Contractors on Safety and Emergency (Tool Box Meeting)

Throughout their period of work at NIOSH, contractors will be briefed on safety and emergency precaution on high risk job before they start work.



5. Kursus Induksi kepada Kakitangan Baharu berkaitan Perundangan OSHA 1994 dan FMA 1967

Kursus ini dilaksanakan pada 17-18/01/2019 di Ibu Pejabat NIOSH. Objektif kursus ini adalah memberi pengetahuan dan pendedahan berkaitan Keselamatan dan Kesihatan Pekerjaan kepada kakitangan baru NIOSH. Selain itu, ia juga untuk meningkatkan tahap kesedaran berkaitan KKP di tempat kerja.

6. Pemeriksaan Jentera yang Berdaftar oleh Jabatan Keselamatan dan Kesihatan Pekerjaan (JKKP)

Sebanyak 9 Jentera dalam premis NIOSH telah berdaftar dengan JKKP dan kesemua jentera tersebut masih sah digunakan dan belum tamat tempoh. Pemeriksaan akan dijalankan mengikut perancangan yang telah ditetapkan oleh pihak JKKP. Antara jentera – jentera NIOSH yang berdaftar dengan JKKP adalah seperti 4 unit Mesin Lif (Bangunan Utama & Menara NIOSH), Monorail Hoist, Monorail Crane, Air Receiver Horizontal, Air Receiver Dancomair, dan Autoclave.

5. Induction Course to New Employees on OSHA 1994 Regulations and FMA 1967

This course was conducted on 17-18/01/2019 at the NIOSH Headquarters. The objective is to educate and expose NIOSH new employees on Occupational Safety and Health. In addition, it is also aimed at increasing the level of awareness on OSH at work.

6. Inspection on Registered Machinery by the Department of Occupational Safety and Health (DOSH)

A total of 9 machines were registered with DOSH in NIOSH premises, all of which are valid to use and within their expiry date. Inspection will be done accordingly to schedule set by DOSH. Some of the machines registered with DOSH are 4 units of Elevator (Main Building & NIOSH Tower), Monorail Hoist, Monorail Crane, Air Receiver Horizontal, Air Receiver Dancomair and Autoclave.

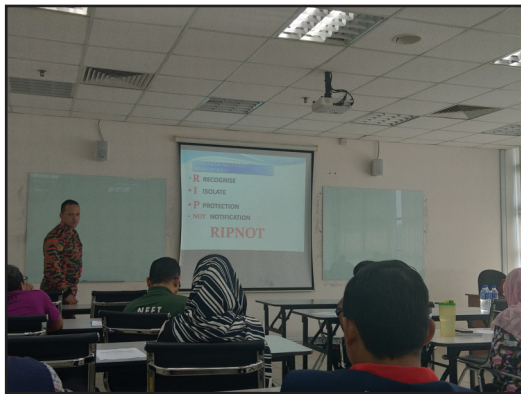


7. Latihan Kecemasan bersama Pasukan Bomba Hazardous Material (HAZMAT)

Pada 29/07/2019, Pasukan NIOSH Emergency First Response Team (NEFT) telah bekerjasama dengan Pihak Balai Bomba & Penyelamat Shah Alam untuk mengadakan satu latihan berkaitan tumpahan bahan kimia sebelum kawad kecemasan dijalankan. Ini adalah bertujuan menilai dan menguji keberkesanan tindakan kecemasan oleh pasukan NEFT apabila berlakunya tumpahan bahan kimia di dalam premis NIOSH.

7. Emergency Training with Hazardous Material (HAZMAT) Firefighter

On 29/07/2019, NIOSH Emergency First Response Team (NEFT) in collaboration with the Shah Alam Fire and Rescue Department held a training on chemical spill followed by a Fire Drill practise. This is to assess and evaluate the efficiency of the Emergency Plan by the NEFT Team should chemical spill occur in NIOSH premise.



8. Latihan Keselamatan Kebakaran dan Pengendalian Tumpahan Bahan Kimia

Latihan Kawad Kecemasan dan Menyelamatkan Mangsa Terperangkap dari Tumpahan Bahan Kimia di dalam Makmal dilaksanakan bertujuan untuk memberikan pendedahan kepada kakitangan NIOSH mengenai cara untuk bertindak sekiranya berlaku situasi kecemasan seperti insiden kebakaran atau tumpahan bahan kimia berbahaya. Latihan ini juga memberikan pengetahuan dan pengalaman kepada Pasukan NIOSH Emergency First Response Team (NEFT) bagaimana untuk mengendalikan dan bertindak awal apabila berlakunya insiden yang menyebabkan tumpahan bahan kimia. Ia juga adalah latihan tahunan yang dilaksanakan di Ibu Pejabat NIOSH, Bandar Baru Bangi, Selangor. Ia adalah satu daripada keperluan utama di dalam pelaksanaan Sistem Pengurusan Keselamatan dan Kesihatan Pekerjaan (OSHMS) dan Sistem Pengurusan Alam Sekitar (EMS).

8. Emergency Drill for Fire and Chemical Spill Material

Training on Fire Safety and Rescuing trapped victim during a chemical spill in a laboratory was done to expose NIOSH employees on measures to be taken when such incidents happen. This training also provides knowledge and experience to NIOSH Emergency First Response Team (NEFT) in handling and giving quick response, whenever chemical spill occurs. Conducted annually at NIOSH Headquarters in Bandar Baru Bangi, this training is the main requirement in the implementation of Occupational Safety and Health Management System (OSHMS) and Environmental Management System.



Latihan ini dilaksanakan di Ibu Pejabat NIOSH, Bandar Baru Bangi, Selangor pada 14 Ogos 2019. Ia diadakan seolah-olah untuk menyelamatkan mangsa yang terperangkap di dalam Makmal CHL dan lemas akibat terhidu tumpahan bahan kimia jenis Asid Nitrik (HNO_3).

Seramai 63 orang terdiri daripada kakitangan NIOSH, peserta kursus, tukang cuci, dan kontraktor NIOSH terlibat di dalam sesi latihan kali ini, termasuk 25 anggota NEFT. Lokasi tempat berkumpul semasa sesi latihan ini dijalankan adalah di Tempat Berkumpul 2 iaitu di kawasan parkir berhadapan garaj kereta Kenderaan Rasmi NIOSH di Bangunan Utama NIOSH.

This drill was carried out at NIOSH Headquarters in Bandar Baru Bangi, Selangor on 14 August 2019 to rescue allegedly suffocated victims of spilled Nitric Acid (HNO_3) trapped in the Laboratory in a NIOSH laboratory.

A total of 63 participants comprising of NIOSH employees, training participants, cleaners, NIOSH contractors and 25 NEFT members participated in this session. The assembly point during this exercise is the parking area in front of the parking lots for NIOSH official vehicles, NIOSH Main Building.



9. Pensampelan Kualiti Pelepasan Udara Cerobong Dan Kualiti Pelepasan Air Sisa Efluen.

Pensampelan kualiti pelepasan udara cerobong dan kualiti pelepasan air sisa efluen telah diadakan pada 23 Ogos 2019 dan 30 Ogos 2019. Pensampelan dilakukan ke atas semua cerobong asap atas bumbung daripada fume hood bangunan utama makmal-makmal CRD dan laluan akhir sisa kafeteria dan makmal di lurang (manhole) di hadapan pondok pengawal 2.

Objektifnya adalah untuk menentukan tahap pelepasan particular matter, volatile organic carbon (VOC), oxygenated compounds, fumigants, halogenated aliphatics dan kualiti air sisa mengikut keperluan di dalam Peraturan Kualiti Alam Sekitar (Efluen Perindustrian) 2009 untuk Parameter Standard B.

Kaedah pensampelan adalah dengan menggunakan NIOSH Manual of Analytical Methods 0500 bagi mengukur tahap pelepasan Particulate Matter, Non-isokinetic NIOSH 1500 bagi mengukur tahap pelepasan Volatile Organic Carbon dan Teknik Grab sampling bagi mengukur tahap pelepasan Sisa air efluen.

Hasil penemuan adalah seperti berikut

9. Sampling on the Quality of Released Gases and Effluent

Sampling on the quality of gases discharged from chimneys and effluent wastes were carried out from 23rd. August 2019 until 30th. August 2019. Samples were taken from rooftop chimneys on the main building of CRD Laboratories and final route of cafeteria and laboratory wastewater at the manhole in front of guard house 2.

The objective is to ensure the level of discharged particular matter, volatile organic carbon (VOC), oxygenated compounds, fumigants, halogenated aliphatics and waste water quality comply with Environmental Quality (Industrial Effluent) Regulations 2009 for Parameter Standard B.

The sampling method used is NIOSH Manual of Analytical Methods 0500 to measure Particulate Matter discharged, Non-isokinetic NIOSH 1500 method to measure Volatile Organic Carbon and Grab sampling Technique to measure effluent wastes.

The findings are as below:

Item Item	Concentration Concentration	Perundangan Regulation
Particulate Matter Particulate Matter	Sangat Rendah Very Low	CAR 2014 CAR 2014
Particulate Matter Particulate Matter	Sangat Rendah Very Low	CAR 2014 CAR 2014

Wastewater Effluent (3) Parameter 29- Comply 3- Not Comply	BOD COD Oil & Grease	EQA 1974 (Industrial Effluent) Regulation 2009
Wastewater effluent (3) parameter 29 - comply 3- not comply	BOD COD Oil & Grease	EQA 1974 (Industrial Effluent) Regulations 2009

10. Ujian Saringan Kesehatan dan Kecerdasan Kakitangan NIOSH.

Aktiviti ini dijalankan pada 11 – 22/02/2019 yang telah dianjurkan oleh NOSHECOM dengan kerjasama Kluster Kesehatan Pekerjaan kepada kakitangan NIOSH Ibu pejabat. Tujuan program ini dilaksanakan adalah untuk memberi kesedaran mengenai kepentingan gaya hidup sihat dan mengetahui tahap kecergasan dan kesihatan. Jenis Ujian Saringan Kesehatan yang diambil adalah seperti Ujian Darah, Electrocardiogram (ECG), Inbody & Fizikal dan Depression, Anxiety, Stress Scale (DASS 21).

10. Preliminary Health and Fitness Check-Up for NIOSH Personnel

NOSHECOM in collaboration with Occupational Health Cluster organised this activity on 11-22/02/2019 for NIOSH personnel based at the headquarters. This programme is aimed to create awareness on the importance of healthy life style and also to determine the status of fitness and health of the personnel. The health tests done are Blood Test, Electrocardiogram (ECG), Inbody Physical and Depression, Anxiety, Stress Scale (DASS 21).

11. Aktiviti Fit & Fabulous

Susulan daripada Ujian Saringan Kesihatan dan Kecerdasan, NOSHECOM dengan kerjasama Kluster Kesihatan Pekerjaan telah menyenarai pendek kakitangan NIOSH yang bermasalah dari segi Obesity, Hypertension dan Stress. Program ini telah dijalankan selepas keputusan daripada Ujian Saringan tersebut untuk membantu kakitangan yang bermasalah seperti yang dinyatakan di atas. Program ini telah bermula pada 12/11/2019 - 26/12/2019 dan dijalankan 2 kali seminggu setiap hari Selasa dan Khamis.

11. Fit & Fabulous Activity

Personnel identified with obesity, hypertension and stress are participants to this programme. They are shortlisted based on results from Preliminary Health and Fitness Check-Up done earlier. The programme is held every Tuesday and Thursday beginning 12/11/2019 - 26/12/2019.



12. Penjimatan Utiliti NIOSH

Jawatankuasa Kerja NOSHECOM telah menetapkan sasaran penurunan 5% ke atas bil utiliti NIOSH. Berdasarkan keadaan semasa pada tahun 2019, terdapat peningkatan kadar purata penggunaan elektrik bulanan di Ibu Pejabat NIOSH berbanding tahun-tahun sebelum ini.

Lampiran menunjukkan analisa kadar penggunaan bil elektrik dan air di Ibu Pejabat NIOSH (2018 vs 2019)

12. NIOSH Utilities Saving

NOSHECOM Working Committee has targeted on a reduction of 5% on NIOSH utility bills. Current situation in 2019 showed an increase in the average usage of electricity in NIOSH Headquarters as compared to 2018.

The table indicates the analysis on the electricity and water consumption for 2018 and 2019 in NIOSH Headquarters.

Bil Elektrik NIOSH HQ						
	2018 (A)	2019 (B)	Diff (B-A)	% Diff ((B-A)/A)x100	Summary	Colour Code
Jan	RM 108,535.60	RM 114,680.70	RM 6,145.10	5.66	increase 5.66%	
Feb	RM 107,118.70	RM 103,481.45	-RM 3,637.25	-3.40	decrease 3.40%	
Mar	RM 131,082.55	RM 131,334.45	RM 251.90	0.19	increase 0.19 %	
Apr	RM 131,159.05	RM 134,058.45	RM 2,899.40	2.21	increase 2.21%	
May	RM 121,131.53	RM 123,548.55	RM 2,417.02	2.00	increase 2.00%	
Jun	RM 99,119.90	RM 108,372.30	RM 9,252.40	9.33	Increase 9.33%	
Jul	RM 127,879.35	RM 137,105.65	RM 9,226.30	7.21	increase 7.21%	
Aug	RM 128,445.00	RM 126,958.05	-RM 1,486.95	-1.16	decrease 1.16%	
Sep	RM 104,561.80	RM 122,689.60	RM 18,127.80	17.34	increase 17.34%	
Oct	RM 120,863.72	RM 105,534.55	-RM 15,329.17	-12.68	decrease 12.68%	
Nov	RM 111,143.90	RM 87,253.80	-RM 23,890.10	-21.49	decrease 21.49%	
Dec	RM 97,398.10	RM 93,856.40	-RM 3,541.70	-3.64	decrease 3.64%	
Σ	RM 1,388,439.20	RM 1,388,873.95	RM 434.75	0.03	increase 0.03%	
Colour Label						Decrease >5%
						Decrease <5%
						Increase

Bil Air NIOSH HQ						
Bil Air	2018 (A)	2019 (B)	Diff (B-A)	% Diff ((B-A)/A)x100	Summary	Colour Code
Jan	RM 6,072.05	RM 4,273.85	-RM 1,798.20	-29.61	decrease 29.61%	
Feb	RM 5,799.00	RM 5,586.00	-RM 213.00	-3.67	decrease 3.57%	
Mar	RM 7,626.00	RM 7,257.15	-RM 368.85	-4.84	decrease 4.84%	
Apr	RM 6,844.40	RM 5,040.20	-RM 1,804.20	-26.36	decrease 26.36%	
May	RM 7,383.05	RM 3,311.05	-RM 4,072.00	-55.15	decrease 55.15%	
Jun	RM 6,617.10	RM 3,919.65	-RM 2,697.45	-40.76	Decrease 40.76%	
Jul	RM 7,061.60	RM 4,055.60	-RM 3,006.00	-42.57	decrease 42.57%	
Aug	RM 5,792.75	RM 6,014.95	RM 222.20	3.84	increase 3.84%	
Sep	RM 3,353.60	RM 5,815.55	RM 2,461.95	73.41	increase 73.41%	
Oct	RM 4,184.40	RM 5,812.10	RM 1,627.70	38.90	increase 38.90%	
Nov	RM 5,348.40	RM 6,264.55	RM 916.15	17.13	increase 17.13%	
Dec	RM 3,910.05	RM 4,582.95	RM 672.90	17.21	increase 17.21%	
Σ	RM 69,992.40	RM 61,933.60	-RM 8,058.80	-11.51	decrease 11.51%	

decrease ≥ 5% decrease < 5% increase

13. Hari Tanpa Beg Plastik, Penyedut Minuman Plastik dan Bekas Polisterin

Objektif utama program ini untuk memastikan tiada penggunaan beg plastik, penyedut minuman plastik dan bekas makanan polisterin di kafetaria NIOSH dan kedai serbaguna NIOSH. Program ini dijalankan setiap bulan iaitu minggu 1 dan minggu 3 sepanjang tahun.

Kakitangan NIOSH disarankan untuk menggunakan beg kitar semula seperti woven bag bagi menggantikan beg plastik. Kakitangan NIOSH juga digalakkan membawa bekas makanan/ minuman sendiri dan menggantikan bekas makanan polisterin dengan bekas makanan/ minuman kertas. (2018 vs 2019)

13. No Plastic, Straw and Polystyrene Day

The objective of this programme is to ensure no plastic bags, drinking straws and polystyrene box are used in NIOSH's Cafeteria and Convenience Store on the first and third week of every month. As an alternative, NIOSH's staff are recommended to use recycled bags or woven bags. They are also encouraged to bring their own food and drink containers and also to use paper plates and cups to replace polystyrene.



14. Kitar Semula

Objektif utama program ini adalah untuk memastikan buangan domestik diasingkan mengikut kategori. Program ini dijalankan setiap bulan sepanjang tahun. Tong kitar semula akan disediakan di tempat yang diwartakan supaya pengasingan buangan domestik dapat dibuat sehingga ke tempat pelupusan.

14. Recycle

The main objective of this programme is to ensure domestic waste is sorted according to their categories. This is an on-going programme through out the year. Recycle bins, each with different categories of domestic waste, will be placed at gazetted areas before they are sent to the waste disposal site.



15. Buangan Terjadual.

Buangan terjadual akan dilabel dan disimpan di dalam stor khas dan dibawa ke Kualiti Alam Sdn Bhd bagi tujuan pelupusan pada setiap bulan Disember. NIOSH melaksanakan penyelenggaraan buangan terjadual ini sebagai mematuhi peraturan dan garis panduan yang khusus seperti di dalam Jadual 1 (Akta Kualiti Alam Sekitar 1974).

15. Scheduled Waste

Scheduled waste will be labelled and stored in a special room and handed over to Kualiti Alam Sekitar Sdn. Bhd. in December every year. NIOSH implemented the scheduled waste maintenance to comply with the guideline stipulated in Table 1 (Department of Environment Act 1974).



LANGKAH-LANGKAH PENJIMATAN YANG DIAMBIL OLEH NIOSH IALAH:

1. Penjimatan dalam menggunakan peralatan elektrik seperti komputer, laptop, lampu, kipas dan sistem penghawa dingin di dalam pejabat.
2. Switch on dan switch off bila perlu komputer, lampu di lokasi atau waktu yang cerah, menutup kipas dan sistem penghawa dingin pada waktu rehat dan pada waktu pulang. Orang yang terakhir meninggalkan pejabat perlu peka dengan keadaan ini.
3. Suhu sistem penghawa dingin perlu ditetapkan pada suhu 24 darjah celcius (dalam keadaan biasa) dan memastikan pintu sentiasa tutup bagi mengelakkan udara sejuk keluar. cth: pintu lobi menara dan bangunan utama, pintu cafeteria & semua pintu pejabat. Semakin tinggi perbezaan suhu yang ditetapkan berbanding suhu luar bangunan, semakin banyak compressor dan motor menggunakan elektrik untuk mencapai suhu yang dikehendaki, maka semakin banyak penggunaan elektrik.
4. Memastikan suis lampu, sistem penghawa dingin, LCD projektor, komputer, dewan, Confined Space Simulator, makmal-makmal, bilik-bilik latihan, bilik mesyuarat dan surau mestilah ditutup setelah digunakan.
5. Berhemah menggunakan air ketika di kafeteria, tempat wuduk dan tandas dan pantas melaporkan kepada pihak ADFD apabila mendapati berlaku kebocoran air.
6. Sistem Operasi Bangunan termasuk Sistem Penghawa Dingin (Centrallized) akan ditutup pada pukul 6.00 petang.

MEASURES TAKEN BY NIOSH TO REDUCE UTILITY BILLS:

1. Reduce in usage of electrical appliances as in computers, laptop, lamps, fans and air conditioner in the office.
2. Switch on computer only when needed and switch off immediately when done. Turn off all lights during bright day and turn off fans and air conditioner during lunch break and after work. The last person to leave the office must make sure that all electrical appliances are turned off.
3. The air conditioner must be fixed at 24 degrees Celcius. Doors must be closed at all time to avoid cool air escape, for instance doors at the entrance lobby in main building, cafeteria and office. The bigger the fixed temperature difference as compared to the temperature outside the building, more electricity will be consumed by compressor and motor to equalize the temperature set, thus resulting in a high consumption of electricity.
4. Ensure that all switches for light, air conditioner, LCD projector, computers, hall, Confined Space Simulator, laboratories, training rooms, meeting rooms and prayer room are switched off after use.
5. Use water wisely at the cafeteria, ablution area and toilet. Report immediately to ADFD if leakage occur.
6. All Building Operational Systems including the Centralized Air Conditioning System will be shut down at 6pm.

SKIM AKREDITASI MAKMAL MALAYSIA (SAMM) (MS ISO/ IEC 17025:2017)

Occupational Safety and Health Evaluation and Control Technology Laboratories (OSHECT), NIOSH telah mendapat pensijilan di bawah Skim Akreditasi Makmal Malaysia (SAMM) (MS ISO/IEC 17025:2017).

THE LABORATORY ACCREDITATION SCHEME OF MALAYSIA (MS ISO/ IEC 17025:2017)

Occupational Safety and Health Evaluation and Control Technology Laboratories (OSHECT), was awarded The Laboratory Accreditation Scheme of Malaysia (MS ISO/ IEC 17025:2017)



Rajah 4 : Sijil Skim Akreditasi Makmal Malaysia

Diagram 4 : The Laboratory Accreditation Scheme of Malaysia
Certificate

Sesi audit dalam bagi MS ISO/IEC 17025:2017 juga telah dijalankan pada 7-8 November 2019 oleh Juruaudit yang dilantik.

Salah satu makmal di bawah OSHECT iaitu Industrial Hygiene Analytical Laboratory (IHAL) juga telah menerima Anugerah Makmal Cemerlang bagi tahun ke sembilan berturut-turut. Majlis penyampaian anugerah disampaikan pada Malam Kimia 2019 anjuran Institut Kimia Malaysia dan disampaikan oleh Timbalan Ketua Setiausaha Kementerian Tenaga, Sains, Teknologi, Alam Sekitar dan Perubahan Iklim pada 6 Disember 2019 di Pusat Konvensyen Sime Darby, Kuala Lumpur.

The internal audit MS ISO/IEC 17025:2017 was carried out by an appointed Auditor on 7-8 November 2019.

One of the laboratories under OSHECT, Industrial Hygiene Analytical Laboratory (IHAL) received the Excellent Laboratory Award for 9 consecutive years. The award was presented by the Deputy Secretary General, Ministry of Energy, Science, Technology, Environment and Climate Change at a dinner hosted by The Malaysia Institute of Chemistry on 6th December 2019 at the Sime Darby Convention Centre, Kuala Lumpur.



Rajah 5 : Anugerah Makmal Cemerlang IKM 2019

Diagram 5 : The Excellent Laboratory Award IKM 2019

KEPUASAN PELANGGAN

Kajian Kepuasan Pelanggan

Kajian kepuasan pelanggan adalah satu daripada aktiviti utama yang dijalankan oleh Bahagian Pengurusan Kualiti (QMD) bagi mendapatkan gambaran berkenaan tahap kepuasan pelanggan terhadap produk dan perkhidmatan NIOSH.

Skop kajian dipilih secara rawak dan merangkumi pelanggan yang berurusan dengan NIOSH seperti menghadiri kursus berjadual dan kursus in-house. Sebanyak 370 syarikat telah dipilih merangkumi seluruh Semenanjung Malaysia, Sarawak dan Sabah.

QMD masih mengekalkan kaedah kajian iaitu menggunakan Indeks Kepuasan Pelanggan (CSI) dengan menganalisis Borang Kajian Kepuasan Pelanggan NIOSH. Analisis dibuat berdasarkan kepada tiga (3) kategori maklumat sebagai kriteria utama iaitu perkhidmatan, kursus dan kemudahan.

Hasil dapatan kajian akan dijadikan medium penambahbaikan berterusan ke atas produk dan perkhidmatan NIOSH di masa hadapan.

CUSTOMER SATISFACTION

Customer Satisfaction Survey

Customer satisfaction survey is one of the main activities undertaken by the Quality Management Division to get an overview of customer satisfaction level towards NIOSH products and services.

The scope of the survey was chosen on a random basis, covering clients who attended NIOSH's scheduled courses and in-house courses, among others. A total of 370 companies were chosen from Peninsular Malaysia, Sarawak and Sabah.

QMD still retains its survey method, namely the Customer Satisfaction Index (CSI), by analysing NIOSH's Customer Satisfaction Questionnaires. The analysis was made based on three (3) information categories as the main criteria, namely services, courses and facilities.

The survey results will be used as a medium for continuous improvement of NIOSH products and services in the future.

PENILAIAN TENAGA PENGAJAR, PROGRAM DAN KEMUDAHAN

Dalam usaha memastikan kualiti penyampaian produk dan perkhidmatan NIOSH berada pada tahap terbaik, QMD menjalankan penilaian di atas talian bermula pada 1 Mac 2019 merangkumi penilaian tenaga pengajar, program dan kemudahan berdasarkan maklum balas daripada peserta kursus. Secara keseluruhannya hasil daripada ketiga-tiga skop penilaian ini menunjukkan perkhidmatan yang diberikan oleh NIOSH berada pada tahap cemerlang dan baik.

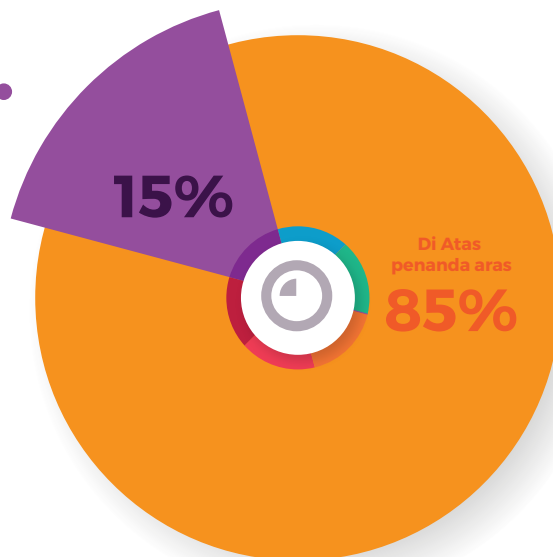
Bagi mengukuhkan lagi penilaian tersebut, 78 program penaziran juga telah dilaksanakan terhadap tenaga pengajar yang terpilih. Objektif penaziran ini adalah untuk memantau prestasi tenaga pengajar NIOSH berdasarkan garis panduan yang ditetapkan.

EVALUATION OF TRAINERS, PROGRAMMES AND FACILITIES

In its effort to ensure the highest level of delivery quality of its products and services, NIOSH QMD had from 1st March 2019, implemented an online feedback from course participants for the assessment of training staff, programmes and facilities. The results of assessment on the three scopes indicate the services given were rated as excellent and good.

To further support this assessment, 78 inspectorate programmes were also conducted on selected trainers. The objective of these programmes was to monitor the performance of NIOSH trainers, based on the stipulated guidelines.

Di bawah penanda aras ●



Tenaga Pengajar Trainers

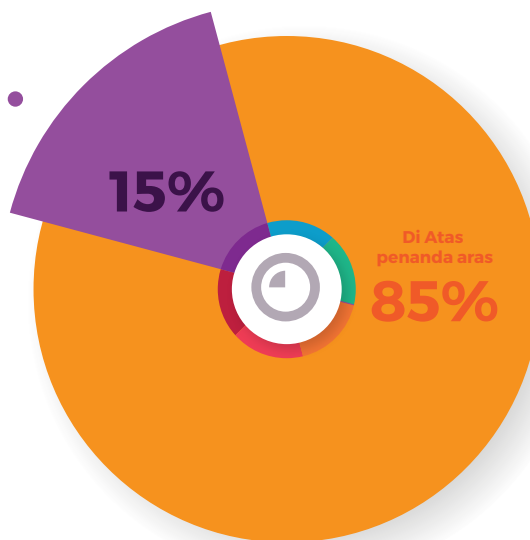
Below Benchmark 15%
Above Benchmark 85%

Rajah 6 : Penilaian Tenaga Pengajar 2019

Diagram 6 : Evaluation of Trainers in 2019

Di bawah penanda aras ●

Program
Programmes



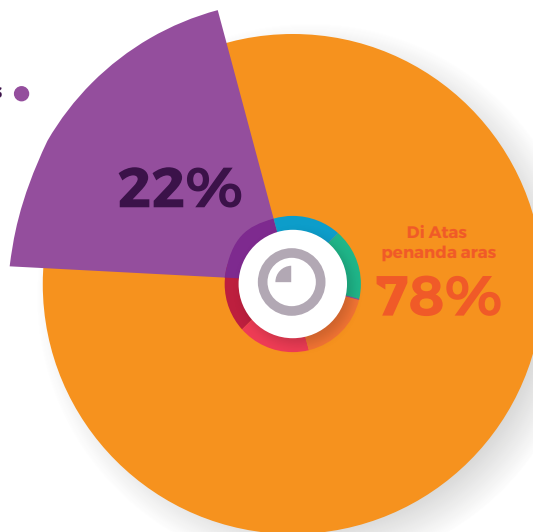
Below Benchmark 15%
Above Benchmark 85%

Rajah 7 : Penilaian Program Tahun 2019

Diagram 7: Evaluation of Programmes in 2019

Di bawah penanda aras ●

Kemudahan
Facilities



Below Benchmark 22%
Above Benchmark 78%

Rajah 8 : Penilaian Kemudahan Tahun 2019

Diagram 8: Evaluation of Facilities in 2019

LAPORAN TAHUNAN NIOSH
2019

NIOSH Annual Report

INSTITUT KESELAMATAN DAN KESIHATAN PEKERJAAN NEGARA
NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH (NIOSH)



DIARI KORPORAT

CORPORATE DIARY

LAWATAN KERJA TIMBALAN MENTERI SUMBER MANUSIA

4 Mac 2019: Lawatan Kerja YB Dato' Mahfuz Omar, Timbalan Menteri Sumber Manusia ke Pusat Latihan Teknologi Tinggi (ADTEC) Bintulu, Sarawak.

WORKING VISIT BY DEPUTY MINISTER OF HUMAN RESOURCES

4th March 2019: Deputy Minister of Human Resources YB Dato' Mahfuz Omar pays a working visit to the Advanced High Technology Centre (ADTEC) Bintulu, Sarawak.

LAWATAN DELEGASI DEPOT SENGGARA ARMADA BARAT, TENTERA LAUT DIRAJA MALAYSIA KE NIOSH

20 Mac 2019: NIOSH menerima lawatan delegasi Depot Senggara Armada Barat, Tentera Laut Diraja Malaysia.

VISIT BY WEST FLEET MAINTENANCE DEPOT, ROYAL MALAYSIAN NAVY TO NIOSH

20th March 2019: A delegation from the West Fleet Maintenance Depot, Royal Malaysian Navy visit NIOSH

PERJANJIAN KERJASAMA NIOSH DAN BHIC MARINE TECHNOLOGY ACADEMY

28 Mac 2019 : YB M.Kulasegaran, Menteri Sumber Manusia menyaksikan majlis menandatangani memorandum persefahaman di antara Institusi Keselamatan dan Kesihatan Pekerjaan Negara (NIOSH) dan BHIC Marine Technology Academy Sdn Bhd di Mahsuri International Exhibition Centre (MIEC), Langkawi.

MoU SIGNING CEREMONY BETWEEN (NIOSH) AND BHIC MARINE TECHNOLOGY ACADEMY

28th March 2019: Minister of Human Resources YB M.Kulasegaran witnesses the MoU signing ceremony between National Institute of Occupational Safety and Health (NIOSH) and BHIC Marine Technology Academy Sdn Bhd held at Mahsuri International Exhibition Centre (MIEC), Langkawi.

PRAPELANCARAN PERSIDANGAN DAN PAMERAN KESELAMATAN DAN KESIHATAN PEKERJAAN KALI KE-22 (COSH2019)

Pada 26 Mac 2019, NIOSH menganjurkan majlis Prapelanaran Persidangan dan Pameran Keselamatan dan Kesihatan Pekerjaan 2019 ataupun dikenali sebagai COSH 2019 di Pusat Konvensyen Kuala Lumpur (KLCC).

Pada majlis tersebut Pengerusi NIOSH Tan Sri Lee Lam Thye telah melancarkan tema dan logo COSH 2019. COSH kali ke-22 berlangsung pada 26 hingga 27 Ogos 2019 di KLCC dengan tema "DRIVING OSH EXCELLENCE WITH INTEGRITY FOR THE FUTURE"

Majlis itu bertujuan meraikan usaha, sumbangan serta sokongan yang telah diberikan oleh para pembekal dan pempamer yang terlibat dengan COSH setiap tahun. Ini jelas membuktikan kerjasama kukuh di antara NIOSH dengan para pengamal OSH, pempamer, peserta dan juga agensi kerajaan yang terlibat seperti JKKP dan juga PERKESO.

Pada majlis itu, Tan Sri Lee turut menyampaikan sijil Sistem Pengurusan Kesihatan dan Keselamatan Pekerjaan (OHS MS) daripada NIOSH Certification Sdn Bhd kepada 11 syarikat. Beliau turut menggesa syarikat yang telah mendapat pensijilan OHSAS 18001 dan MS 1722 untuk mendapatkan pensijilan ISO 45001 sebelum tempoh perpindahan selama 3 tahun berakhir pada 12 Mac 2021.

SOFT LAUNCH FOR THE 22ND CONFERENCE AND EXHIBITION ON OCCUPATIONAL SAFETY AND HEALTH (COSH 2019)

On 26th March 2019, NIOSH held a Soft Launch Ceremony for the 22nd Conference and Exhibition on Occupational Safety And Health or better known as COSH 2019 at the Kuala Lumpur Convention Centre (KLCC).

At the function, NIOSH Chairman Tan Sri Lee Lam Thye also launched COSH 2019's theme and logo. The 22nd COSH will be held at the KLCC on 26th and 27th August 2019 with the theme "DRIVING OSH EXCELLENCE WITH INTEGRITY FOR THE FUTURE"

The ceremony serves as an appreciation from NIOSH to suppliers and exhibitors for their effort, contribution and endless support towards COSH every year. This proves a strong relationship between NIOSH and OSH practitioners, exhibitors, participants and Government Agencies especially DOSH and SOCSO.

At the ceremony, Tan Sri Lee presented the Occupational Safety and Health Management System Certificate (OHS MS) from NIOSH Certification Sdn Bhd to 11 companies. Tan Sri Lee also urged companies with OHSAS 18001 and 1722 Certification to proceed with the ISO 45001 Certification before the 3 year transition period ends on 12 March 2021.

PELANCARAN PROGRAM LATIHAN PASPORT KESELAMATAN MEDIA (MSP)

Pada 15 Ogos 2019, Institut Keselamatan dan Kesihatan Pekerjaan Negara (NIOOSH) melancarkan program latihan Pasport Keselamatan Media (MSP) yang merupakan program pertama seumpamanya di Malaysia.

Pengerusi NIOOSH Tan Sri Lee Lam Thye melancarkan program latihan MSP di Pusat Konvensyen Kuala Lumpur. Program ini juga merupakan modul e-pembelajaran "hibrid" yang pertama di mana peserta boleh belajar secara dalam talian sebelum mereka menghadiri kelas dan mengambil peperiksaan untuk mendapatkan pasport keselamatan.

NIOOSH turut mengambil kira semua masalah yang dihadapi oleh organisasi media dan dengan itu bersedia untuk menganjurkan kelas di premis media jika mereka mempunyai jumlah minimum peserta yang diperlukan. Modul ini juga sangat unik kerana ia boleh dipertingkatkan pada bila-bila masa berdasarkan maklum balas terbaharu daripada organisasi media dan pihak berkepentingan lain.

Turut hadir Pengerusi Astro Malaysia Holdings Bhd Tun Zaki Tun Azmi, Pengerusi Bernama Datuk Seri Azman Ujang, Pengerusi Institut Akhbar Malaysia Datuk Dr. Chamil Wariya, Ketua Pegawai Eksekutif Akademi Keselamatan dan Penjagaan Kecemasan (ASEC) Wong Wee Zhee dan Khairunnizam Mustapa yang merupakan Pengurus Besar Jabatan Perundingan, Penyelidikan dan Pembangunan NIOOSH.

LAUNCHING OF MEDIA SAFETY PASSPORT TRAINING PROGRAMME (MSP)

On 15th August 2019, the National Institute of Occupational Safety and Health (NIOOSH) launched the Media Safety Passport Training Programme (MSP), the first of such a programme in Malaysia.

NIOOSH Chairman, Tan Sri Lee Lam Thye launched the training programme held at the Kuala Lumpur Convention Centre. This programme applies the first e-learning hybrid module where the participants are able to study on-line before attending classes and examination to obtain the safety passport.

NIOOSH considers the problem faced by media organisations and thus is willing to organise classes at the media premises if they have the minimum number of participants required. It is unique module such that it can be upgraded accordingly to the latest feedback given by the media organisations and other interested parties.

Also present are Astro Malaysia Holdings Bhd Chairman Tun Zaki Tun Azmi, Bernama Chairman Datuk Seri Azman Ujang, Malaysian Press Institute Chairman Datuk Dr. Chamil Wariya, Academy on Safety and Emergency Care (ASEC) Chief Executive Officer Wong Wee Zhee and NIOOSH Consultation, Research and Development Department Manager Khairunnizam Mustapa.

Tan Sri Lee berharap organisasi media dan institusi berkaitan dapat tampil ke hadapan untuk berkongsi maklum balas supaya NIOSH dapat meningkatkan modul latihan MSP agar mampu memberi manfaat kepada pengamal media terutamanya yang berada di lapangan. NIOSH turut mendapat kerjasama dan sokongan pelbagai pihak terutamanya MPI dan organisasi media.

Program passport keselamatan merupakan kursus induksi mengenai keselamatan dan kesihatan pekerjaan (KKP) dan ia dilaksanakan secara meluas dalam pelbagai industri termasuk minyak dan gas, telekomunikasi, penjaan dan pembekalan tenaga serta operasi lebuhraya.

Di majlis tersebut, Tan Sri Lee turut menyampaikan anugerah khas kepada Pengerusi Astro Malaysia, Tun Zaki Tun Azmi untuk mengiktiraf inisiatif syarikat itu yang menjadi organisasi penyiaran pertama melaksanakan program latihan passport keselamatan. Terdahulu, lebih daripada 100 pengamal media dan wakil organisasi berkaitan menyertai program perintis MSP di KLCC.

Tan Sri Lee hoped the media organisations and related institutions could come forward and share feedback to help NIOSH improvise the MSP training module which will be beneficial to media practitioners especially those on the ground. NIOSH also received cooperation and support from various parties especially MPI and media organisations.

This programme is an induction course on occupational safety and health and is applied widely in numerous industries including oil and gas, telecommunication, power generation and supply and highway operation.

At the ceremony, Tan Sri Lee also presented a special award to Astro Malaysia Chairman, Tun Zaki Tun Azmi to recognize the company's initiative to be the first broadcasting organisation to implement the Safety Passport Training Programme. Earlier, more than 100 media practitioners and representative from related organisations participated in the pilot MSP programme held in KLCC.

KEJOHANAN SUKAN NIOSH 2019

Kelab Kebajikan dan Sukan NIOSH (KKS) menganjurkan Kejohanan Sukan NIOSH 2019 sempena Karnival Sukan NIOSH 2019 bermula pada 2 Ogos sehingga 7 September 2019. Pada 3 Ogos 2019 (Sabtu) telah berlangsung majlis perasmian Kejohanan Sukan NIOSH 2019 bertempat di Hangar, NIOSH Bandar Baru Bangi. Majlis pada pagi itu telah dirasmikan oleh Setiausaha Eksekutif NIOSH iaitu Mejar (B) Haji Hanif Maidin.

Pada 6-7 September telah berlangsung acara badminton di Kompleks Sukan MPKj Bangi, Seksyen 15 Bangi, Acara Beyblade berlangsung di Dewan Cempaka, NIOSH dan acara boling diadakan di Ampang Superbowl, Bangi Gateway.

Terima kasih kepada KKS yang menjayakan 10 acara sukan bagi Karnival Sukan NIOSH 2019 iaitu bola tampar, congkak, dam aji, bola jaring, karom, ping pong, street soccer, badminton, beyblade dan boling.

Program seumpama ini diharap dapat dilaksanakan lagi pada tahun akan datang kerana aktiviti yang menyihatkan ini boleh mengeratkan lagi silaturahim antara satu sama lain serta dapat mencungkil bakat terpendam di kalangan kakitangan NIOSH.

NIOSH SPORTS TOURNAMENT

NIOSH Welfare and Sports Club (KKS) organised NIOSH Sports Tournament 2019 in conjunction with NIOSH Sports Carnival 2019 from 2nd To 7th September 2019. It was officiated by NIOSH Executive Secretary, Mejar (R) Haji Hanif Maidin on 3rd August 2019 at the Hangar, NIOSH Bandar Baru Bangi.

Badminton took place at the MPKj Sports Complex, Bangi, Beyblade at NIOSH Cempaka Hall and bowling at the Ampang Superbowl, Bangi Gateway. All the events took place simultaneously from 6th - 7th September 2019.

A big thank you to the organiser, KKS for carrying out 10 events during NIOSH Sports Carnival namely volleyball, congkak, dam aji, netball, table tennis, street soccer, badminton, Beyblade and bowling.

It is hoped that such programmes will be carried on for years to come whereby the activities could help strengthen the relationship among the staff and at the same time, identify the sport talents among NIOSH staff.

PROGRAM SEMARAK RAMADAN NIO SH 2019

Sempena menyambut kedatangan bulan Ramadan 1440H, NIOSH Ibu Pejabat Bandar Baru Bangi, dengan kerjasama Kelab Kebajikan dan Sukan NIOSH (KKSI) dan PUSPANITA, telah menganjurkan Program Semarak Ramadan NIOSH 2019 bagi warga kerja NIOSH yang beragama Islam.

Majlis Khatam Quran turut disertai Pengarah Eksekutif NIOSH, Tuan Haji Ayop Salleh, bagi menyemarakkan rasa cinta kepada al-Quran dan mempertingkatkan ibadat di bulan Ramadan ia juga dapat menjalinkan ukhuwah antara kakitangan NIOSH. Peserta bacaan al-Quran telah memulakan bacaan masing-masing seawal 1 Ramadan 1440M. Pada pagi 24 Mei 2019, majlis khatam al-Quran diadakan di Dewan Cempaka, Menara NIOSH di mana pada tahun ini seramai 65 orang peserta tadarus menyertai program tersebut.

NIO SH SEMARAK RAMADAN

In conjunction with the holy month of Ramadan, NIOSH Bandar Baru Bangi headquarters collaborated with NIOSH Welfare and Sports Club (KKSI) and PUSPANITA to host NIOSH 2019 'Semarak Ramadan' Programme for its Muslim staff.

Tadarus Al-Quran (recital of Al-Quran in a group) was held to enliven the love for Al-Quran and enhance worshipping during the holy month apart from fostering brotherhood among NIOSH staff. The Tadarus Al-Quran began on 1st Ramadan (6th May 2019) and concluded with the Khatam Al-Quran ceremony held on 24th May 2019 at Cempaka Hall, NIOSH Tower with the presence of NIOSH Executive Director, Haji Ayop Salleh. A total of 65 NIOSH staff joined the Tadarus program.

Pihak KCSI juga menjemput wakil Lembaga Zakat Selangor untuk menyediakan kaunter bayaran zakat. Kaunter pembayaran zakat turut dibuka pada hari tersebut bermula jam 3.00 pagi sehingga 4.30 petang bagi memudahkan warga kerja NIOSH menunaikan tanggungjawab masing-masing. Gerai-gerai jualan pelbagai barangan makanan, minuman dan pakaian turut diadakan bagi memeriahkan lagi suasana semasa majlis itu berlangsung.

Selesai ceramah agama pada pagi itu, Pertandingan Karya Seni Khat diadakan bagi mencungkil bakat kakitangan. Beberapa kakitangan telah menyertai pertandingan itu dan hadiah diberikan kepada pemenang. Buat julung kalinya kumpulan Nasyid NIOSH mempersembahkan nyanyian nasyid setelah selesai majlis sebelah pagi tersebut. Selain itu, NIOSH juga telah memberi sumbangan kepada anak-anak yatim serta waris kakitangan yang telah meninggal dunia. Turut diadakan majlis pelancaran NIOSH Food Bank@Gerobok Rezeki.

Other events that took place on 24th May 2019 includes zakat collection by Lembaga Zakat Selangor to enable NIOSH staff to fulfil their responsibility as tithe payers. The counter for zakat collection opened from 3pm to 4.30pm. Some stalls offering varieties of food, drinks and clothing for sale were also held to help create a festive mood.

After an Islamic Talk, a Seni Khat Writing Competition was held to identify talented khat writers in NIOSH. Prizes were given away to winners of the khat writing competition. Right after, NIOSH Nasyid Group made their first appearance by presenting nasyid songs. Other activities include contribution to orphans and heirs of NIOSH deceased staff followed by the launching of NIOSH Food Bank@Gerobok Rezeki.

MESYUARAT AGUNG TAHUNAN (ANNUAL GENERAL MEETING) KALI KE-26

Pada 27 Jun 2019, NIOSH menganjurkan Mesyuarat Agung Tahunan NIOSH (AGM) kali yang ke-26 bertempat di Dewan Rafflesia, Menara NIOSH, Bandar Baru Bangi, Selangor. Majlis berjalan lancar seperti yang dirancang di mana semua ahli NIOSH yang bergerak aktif dijemput hadir bagi memilih Ahli Lembaga Pengarah NIOSH yang baru. Mesyuarat Agung Tahunan ini dihadiri oleh Ahli Lembaga Pengarah NIOSH dan Ahli-ahli NIOSH (NIOSH Members) Turut hadir ialah Pengerusi NIOSH Tan Sri Lee Lam Thye.

Ahli Lembaga Pengarah NIOSH bagi sesi 2019/2020 yang baru dilantik di dalam AGM kali yang ke-26 adalah seperti berikut:

- 1 Prof. Dr. Ismail Bin Bahari
- 2 Prof. Dr. Tan Guat Lin, Everlyn
- 3 Dr. Nur Dalilah Binti Dahlan
- 4 Prof. Dr. Abu Hasan Bin Samad
- 5 En.Matdiah bin Mohamad

Tahniah dan syabas diucapkan kepada barisan Ahli Lembaga Pengarah NIOSH yang baru. Semoga terus memberi perkhidmatan yang cemerlang dalam membantu dan menyumbang usaha bagi pembangunan KKP di Malaysia.

26th ANNUAL GENERAL MEETING

On 27th June 2019, NIOSH held its 26th Annual General Meeting (AGM) at Rafflesia Hall, NIOSH Tower, Bandar Baru Bangi, Selangor. The meeting went on smoothly with the presence of active NIOSH members to appoint the new Board of Directors. The AGM was also attended by NIOSH Chairman, Tan Sri Lee Lam Thye, NIOSH board members and NIOSH members.

The newly-elected Board Members for 2019/2020 session in the 26th AGM are as follows:

- 1 Prof. Dr. Ismail Bin Bahari
- 2 Prof. Dr. Tan Guat Lin, Everlyn
- 3 Dr. Nur Dalilah Binti Dahlan
- 4 Prof. Dr. Abu Hasan Bin Samad
- 5 En.Matdiah bin Mohamad

Congratulations to the newly-elected Board of Directors. It is hoped that the new Directors will contribute excellently towards the development of OSH in Malaysia.

MAJLIS RUMAH TERBUKA AIDILFITRI NIOSH 2019

Pada 27 Jun 2019, NIOSH turut menganjurkan Majlis Rumah Terbuka Aidilfitri 2019 selepas berakhirnya Mesyuarat Agung Tahunan NIOSH (AGM), pada jam 12.00 tengah hari, Majlis Rumah Terbuka NIOSH diadakan di Dewan Cempaka dan ia merupakan majlis tahunan yang diadakan bagi melahirkan rasa kesyukuran serta berkongsi kegembiraan. Pada masa yang sama, ia dapat mengeratkan hubungan silaturahim di antara satu sama lain.

Majlis disambut meriah dan jemputan terdiri daripada pelanggan dan kenalan NIOSH. Sambutan Aidilfitri ini juga mampu mengeratkan lagi silaturahim antara kakitangan dan para pelanggan NIOSH yang banyak menyumbang kepada kejayaan NIOSH. Turut hadir pada Majlis Ramah Mesra Aidilfitri NIOSH ialah YB M. Kulasegaran, Menteri Sumber Manusia.

NIOSH AIDILFITRI OPENHOUSE 2019

On the same day, following the adjournment of the AGM, NIOSH also held its Hari Raya Aidilfitri 2019 Open House. The event, which commenced at 12.00 noon, was held at Cempaka Hall, Menara NIOSH. NIOSH Hari Raya Aidilfitri Open House is an annual event that is organised as a mark of gratitude, as well as sharing happiness and cultivating closer relationship among NIOSH staff.

The Aidilfitri celebration was even merrier with the attendance of NIOSH clients and contacts. Through this event, NIOSH hopes to build a close relationship with its staff and clients whom had contributed significantly towards NIOSH success. Also present at the celebration was Human Resources Minister, YB M. Kulasegaran.

NIOSH MEMETERAI MEMORANDUM PERSEFAHAMAN (MOU) DENGAN HONEYWELL ENGINEERING SDN BHD

Pada 4 Julai 2019, NIOSH telah memeterai Memorandum Persefahaman (MOU) dengan Honeywell Engineering Sdn Bhd, firma perkhidmatan kejuruteraan dan aeroangkasa global, untuk meningkatkan kesedaran budaya keselamatan di tempat kerja. MoU itu telah tandatangan oleh Pengarah Eksekutif NIOSH, Tuan Haji Ayop Salleh dan Pengurus Besar Honeywell (Asean dan ANZ) Raj Singh. Majlis tersebut disaksikan oleh Pengerusi NIOSH Tan Sri Lee Lam Thye dan Presiden Asean Honeywell Brian Davis.

Honeywell dan NIOSH akan bekerjasama dalam menganjurkan seminar, latihan, persidangan dan berkongsi pengetahuan mengenai kaedah terbaik untuk meningkatkan keselamatan dan kesejahteraan pekerja.

Pada majlis tersebut Tan Sri Lee turut memaklumkan NIOSH baru-baru ini mencadangkan supaya kerajaan mengurangkan cukai import ke atas peralatan pelindungan diri (PPE). Beliau berkata senarai yang dicadangkan akan dikemukakan kepada Kementerian Kewangan.

MEMORANDUM OF UNDERSTANDING (MOU) BETWEEN NIOSH AND HONEYWELL ENGINEERING SDN BHD

On the 4th July 2019 NIOSH has sealed a Memorandum of Understanding (MOU) with Honeywell Engineering Sdn. Bhd, a technology company that has been helping Malaysia in its development to boost the level of awareness on safety at work place. The MOU was signed by the Executive Director of NIOSH, Tuan Haji Ayop Salleh and General Manager of Honeywell (Asean and ANZ) Mr. Raj Singh witnessed by NIOSH Chairman Tan Sri Lee Lam Thye and Honeywell Asean President Brian Davis.

Honeywell and NIOSH will collaborate in organising training, seminars, conferences and knowledge sharing sessions on safety and well being of workers.

At the function, Tan Sri Lee said NIOSH had proposed to the government to reduce the tax imposed on personal protective equipment (PPE). He said a list of the proposed PPE would be submitted to the Finance Ministry.

MAJLIS ANUGERAH PERKHIDMATAN CEMERLANG (APC) KAKITANGAN NIOSH

Majlis Anugerah perkhidmatan Cemerlang (APC) telah diadakan bagi memberi penghargaan kepada kakitangan NIOSH yang menunjukkan kualiti kerja yang cemerlang sepanjang tahun 2018.

Majlis tersebut diadakan di Dewan Tan Sri Lee Lam Thye Menara NIOSH. Majlis disempurnakan oleh YB Alice Lau Kiong Yieng, Pengerusi NIOSH serta turut dihadiri oleh Naib Pengerusi NIOSH, En Gunasegaran Kandaswamy dan Pengarah Eksekutif NIOSH Tuan Haji Ayop Salleh. Majlis tersebut turut dihadiri oleh barisan Ahli Lembaga Pengarah, Pengurusan Tertinggi dan wakil dari pejabat NIOSH seluruh negara.

Tuan Haji Ayop turut menyampaikan ucapan sebelum ucapan perasmian oleh YB Alice Lau, YB Alice Lau turut menyampaikan anugerah kepada 35 kakitangan di atas perkhidmatan mereka yang cemerlang dan penuh dedikasi serta integriti.

EXCELLENT SERVICE AWARD (APC)

An Excellent Service Award ceremony was held to recognize NIOSH employees who had performed excellently in 2019.

The ceremony was held at the Tan Sri Lee Lam Thye Hall, NIOSH Tower with NIOSH Chairman, YB Alice Lau Kiong Yieng as the guest of honour. Also present were NIOSH Vice Chairman, En Gunasegaran Kandaswamy and NIOSH Executive Director Tuan Haji Ayop Salleh together with NIOSH Board of Directors, Top Management and NIOSH representatives from nationwide.

The welcoming address was delivered by Tuan Haji Ayop while, YB Alice Lau officiated the ceremony. YB Alice Lau then presented the awards to the 35 employees who had performed excellently with dedication and integrity.

HARI KELUARGA NIOSH 2019

Kelab Kebajikan dan Sukan NIOSH (KKSI) telah menganjurkan Hari Keluarga di Ramada Meridin, Johor Bahru. Lebih 900 kakitangan dan ahli keluarga mereka hadir bagi memeriahkan sambutan hari keluarga tersebut. Hari Keluarga NIOSH turut dimeriahkan dengan pelbagai aktiviti seperti sukan air di Waterpark LEGOLAND, makan malam, pertandingan karaoke, cabutan bertuah dan pelbagai aktiviti lain.

Hari Keluarga NIOSH 2019 bertemakan "Hikayat Kesultanan Melayu" dan ia berjaya menjadi platform bagi memupuk semangat muhibah dan saling mengenali antara warga kerja NIOSH dan ahli keluarga mereka. Matlamatnya adalah untuk menekankan kepentingan institusi keluarga dalam kehidupan seharian dan merapatkan lagi hubungan sesama anggota keluarga.

Sambutan Hari Keluarga tersebut telah dirasmikan oleh Tuan Haji Ayop Salleh, Pengarah Eksekutif NIOSH. Di dalam ucapan perasmian, beliau menekankan kepentingan semangat kekeluargaan, kekitaan dan keakraban di kalangan warga kerja.

Selain itu, majlis penyampaian hadiah kepada pemenang-pemenang acara Sukan NIOSH 2019 turut diadakan. Sebanyak 10 acara sukan telah dipertandingkan iaitu bola tampar, congkak, dam aji, bola jaring, karom, ping pong, street soccer, badminton, beyblade dan boling.

Turut dipertandingkan adalah kategori pakaian paling menyerlah mengikut tema (lelaki/perempuan/ keluarga) dan para pemenang telah menerima hadiah menarik dari pihak penganjur pada majlis makan malam.

NIOSH FAMILY DAY 2019

NIOSH welfare and Sports Club (KKSI) organised a Family Day at the Ramada Meridin, Johor Bahru. More than 900 staff and family members joined the event. A number of activities were arranged as in water sports at LEGOLAND Waterpark, dinner, karaoke contest and lucky draw.

The theme for NIOSH Family Day 2019 is 'Hikayat Kesultanan Melayu' which has successfully be one of the platforms to unite and nurture closer relationship between NIOSH employees, as well as to foster the spirit of togetherness among them. It also serves to emphasize the importance of family institution in daily routine.

The Family Day was officiated by NIOSH Executive Director Tuan Haji Ayop Salleh, who had stressed on the importance of family spirit, unity and the sense of belonging among NIOSH staff.

Prizes to the winners for ten sport events held during NIOSH 2019 Sports were given away namely volleyball, 'congkak', 'dam aji', netball, carom, table tennis, street soccer, badminton, beyblade and bowling.

All the winners including for the best-dressed category, received attractive prizes from the organizer of the event during the Gala Dinner later in the evening.

KURSUS KKP DAN PENGURUSAN KESIHATAN UNTUK PESERTA “THIRD COUNTRY TRAINING PROGRAMME (TCTP)” 2019

Jabatan Keselamatan dan Kesihatan Pekerjaan (JKKP) telah mengendalikan satu kursus di peringkat antarabangsa iaitu Third Country Training Programme (TCTP) 2019 dengan kerjasama Kementerian Luar Negeri Malaysia (KLN) dan Japan International Cooperation Agency (JICA). Ia diadakan dari 22 September 2019 hingga 12 Oktober 2019 bertempat di NIOSH Bandar Baru Bangi, Selangor dan NIOSH Pejabat Wilayah Selatan, Johor. Kursus ini bertajuk ‘Occupational Safety and Health Management for Cambodia, Lao PDR, Myanmar and Vietnam (CLMV)’.

Pada 23 September 2019, peserta TCTP telah dibawa melawat ke beberapa bahagian di NIOSH di mana pada hari pertama melibatkan proses orientasi taklimat keselamatan dan sesi penerangan fungsi NIOSH. Mereka kemudian dibawa ke beberapa bahagian seperti bilik latihan, gimnasium, Simulator Ruang Terkurung, perpustakaan, hostel NIOSH, Makmal CRD dan Klinik Kesihatan Pekerjaan. Sepanjang program itu berlangsung, pihak penganjur telah menggunakan beberapa kemudahan di NIOSH seperti bilik latihan dan kemudahan lain.

OSH AND HEALTH MANAGEMENT COURSE FOR THIRD COUNTRY TRAINING PROGRAMME (TCTP) 2019

The Department of Occupational Safety and Health (DOSH) in collaboration with the Ministry of Foreign Affairs and Japan International Cooperation Agency (JICA) organised the Third Country Training Programme (TCTP) 2019 entitled ‘Occupational Safety and Health Management for Cambodia, Lao PDR, Myanmar and Vietnam (CLMV)’. It was held from 22nd September 2019 until 12th October 2019 at NIOSH Headquarters, Bandar Baru Bangi and NIOSH Southern Regional Office, Johor.

The first day of the course was for the orientation process, which began with a briefing on safety and functions of NIOSH. All participants were then taken for a short visit to various departments and facilities in NIOSH namely the training rooms, gymnasium, Confined Simulator Area, library, NIOSH hostel, CRD Laboratory and Occupational Health Clinic. Throughout the programme, the organiser utilised the NIOSH training room and other facilities.

PERSIDANGAN DAN MESYUARAT AGUNG TAHUNAN PERTUBUHAN KESELAMATAN DAN KESIHATAN PEKERJAAN ASIA PASIFIK (APOSHO) KE-34

Delegasi NIOSH telah menghadiri Persidangan dan Mesyuarat Agung Tahunan Pertubuhan Keselamatan dan Kesihatan Pekerjaan Asia Pasifik (APOSHO) ke-34 yang berlangsung di Guiyang, China pada 5-8 September 2019. Sebagai ahli APOSHO, NIOSH yang diketuai oleh Pengerusinya Tan Sri Lee Lam Thye turut terbabit dalam Mesyuarat Jawatankuasa, Persidangan dan Mesyuarat Agung Tahunan pada APOSHO kali ini.

Pengerusi NIOSH turut membentangkan kertas utama berkaitan pengalaman Malaysia dalam aspek pengurusan isu kesihatan mental di kalangan pekerja. Tan Sri Lee juga telah diberikan penghormatan apabila dilantik sebagai Ahli Kehormat APOSHO di atas peranan dan sumbangan beliau bukan sahaja di Malaysia malahan di rantau Asia Pasifik.

APOSHO, iaitu sebuah pertubuhan antarabangsa yang di anggotai oleh NGO dan pelbagai entiti di rantau Asia Pasifik ditubuhkan untuk menjadi wadah berkongsi pengalaman dan bertukar idea, maklumat dan pengetahuan di dalam aspek keselamatan dan kesihatan pekerjaan.

APOSHO ke-35 pada tahun 2020 akan dianjurkan di Malaysia. Penghormatan ini akan memberi peluang kepada Malaysia untuk berkongsi pengetahuan dan idea kepada delegasi antarabangsa dari rantau Asia Pasifik serta pengalaman dan amalan OSH di Malaysia. Pada masa yang sama, Malaysia dapat mempelajari pengalaman dan ilmu pengetahuan dari pembentang kertas kerja dan penceramah antarabangsa.

Persidangan dan pameran sempena APOSHO 2020 ini nanti akan terbuka kepada semua majikan, pekerja, pengamal OSH dan orang ramai yang berminat di seluruh rantau Asia Pasifik. Semoga dengan penganjuran APOSHO ke-35 di Kuala Lumpur itu nanti akan dapat memberikan manfaat kepada semua.

CONFERENCE AND ANNUAL GENERAL MEETING OF 34TH. ASIA PACIFIC OCCUPATIONAL SAFETY AND HEALTH ORGANISATION

NIOSH delegates attended the Conference and Annual General Meeting of the 34th Asia Pacific Occupational Safety and Health Organisation which was held on 5-8 September 2019 in Guiyang, China. NIOSH Chairman, Tan Sri Lee Lam Thye led the delegates from NIOSH, which is a member of APOSHO. He also attended the Conference Committee Meeting and the Annual General Meeting of APOSHO.

NIOSH Chairman also presented the main paper to share on Malaysia's experience in managing mental health issues among workers. Tan Sri Lee was also appointed as the Honorary Member of APOSHO as a recognition for his contribution not only in Malaysia but also in the Asia Pacific region.

APOSHO is an international organisation with members ranging from NGOs and entities in Asia Pacific. It is formed as a platform to share experience, knowledge, exchange ideas and information in occupational safety and health

The 35th, APOSHO or APOSHO 2020 will be held in Malaysia. This tribute will give Malaysia an opportunity to share knowledge and ideas with the international delegates from Asia Pacific Region on OSH practices in Malaysia. At the same time, Malaysia will be able to gain knowledge and experience from international speakers during the APOSHO 2020.

APOSHO 2020 Conference and Exhibition will be opened for participation from employers, employees, OSH Practitioners and to the public in the Asia Pacific Region. It is hoped that APOSHO 2020 in Kuala Lumpur will be beneficial to all.



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JALINAN KERJASAMA

NETWORKS OF COOPERATION

SENARAI KERJASAMA 2019

LIST OF PARTNERSHIPS IN 2019

01

3M Malaysia Sdn. Bhd.

- MoU telah ditandatangani pada 26 Mac 2019
- Kerjasama bagi penyediaan peralatan latihan, program latihan dan seminar.
- MoU signed on 26th March 2019
- Collaboration in preparing training equipment, training programmes and seminars.

02

BHIC Marine Technology Academy Sdn. Bhd.

- MoU telah ditandatangani pada 29 Mac 2019
- Kerjasama bagi perkongsian fasiliti latihan dan menjalankan aktiviti latihan KKP
- MoU signed on 29th March 2019
- Collaboration on training facilities and training activities

03

Pelabuhan Tanjung Pelepas Sdn. Bhd.

- MoU telah ditandatangani pada 21 Mei 2019.
- Program Pasport Keselamatan NIOSH.
- MoU signed on 21st May 2019.
- NIOSH Safety Passport Programme.

04

Lembaga Lebuhraya Malaysia

- MoA telah ditandatangani pada 4 Disember 2019
- Kerjasama bagi menjalankan program latihan Pasport Keselamatan Expressway Operations Safety Passport (EOSP)
- MoA signed on 4th December 2019
- Collaboration to conduct training on Expressway Operations Safety Passport (EOSP)

05

**Honeywell Engineering
Sdn. bhd.**

- ▶▶▶ MoU telah ditandatangani pada 4 Julai 2019
- ▶▶▶ Kerjasama bagi penyediaan peralatan latihan, penggunaan makmal serta aktiviti latihan.
- ▶▶▶ MoU signed on 4th July 2019
- ▶▶▶ Collaboration in preparing training equipment, use of laboratory facilities and training activities.

06

**Universiti Kuala Lumpur
(UniKL)**

- ▶▶▶ Majlis pertukaran MoA diadakan sewaktu COSH 2019 pada 26 Ogos 2019
- ▶▶▶ Kerjasama bagi menjalankan program latihan dan konsultasi
- ▶▶▶ Exchanging of MoA documents held during COSH 2019 on 26th August 2019
- ▶▶▶ Collaboration to conduct training programmes and consultation services

07

**Universiti Teknologi MARA
(UiTM)**

- ▶▶▶ Majlis pertukaran MoU diadakan sewaktu COSH 2019 pada 26 Ogos 2019.
- ▶▶▶ Kerjasama bagi menjalankan program latihan dan konsultasi
- ▶▶▶ Exchanging of MoU documents held during COSH 2019 on 26th August 2019.
- ▶▶▶ Collaboration to conduct training programmes and consultation services

08

**Malaysian Agricultural Producers
Association (MAPA)**

- ▶▶▶ MoU telah ditandatangani pada 12 November 2019
- ▶▶▶ Kerjasama bagi menjalankan program Passport Keselamatan Perladangan.
- ▶▶▶ MoU signed on 12th November 2019
- ▶▶▶ Collaboration to conduct Plantation Safety Passport (PLSP)

09

**International Institute Of
Management And Technology
(IIMAT)**

- ▶▶▶ MoU telah ditandatangani pada 18 Disember 2019.
- ▶▶▶ Kerjasama bagi menjalankan program dan konsultasi, penggunaan makmal dan penyebaran maklumat.
- ▶▶▶ *MoU signed on 18th November 2019*
- ▶▶▶ *Collaboration to conduct training and consultation programmes, use of laboratory and dissemination of information.*

10

Prasarana Malaysia Berhad

- ▶▶▶ MoU telah ditandatangani pada 3 September 2019
- ▶▶▶ Kerjasama bagi menjalankan latihan dan konsultasi.
- ▶▶▶ *MoU signed on 3rd September 2019*
- ▶▶▶ *Collaboration to conduct training and consultation*

11

**Korea Occupational Safety
and Health Agency (KOSHA),
Republic Of Korea**

- ▶▶▶ (Arrangement on Technical Cooperation)
- ▶▶▶ Kerjasama bagi menjalankan latihan, konsultasi
- ▶▶▶ (Arrangement on Technical Cooperation)
- ▶▶▶ *Collaboration to conduct training and consultation*

12

Eksklusif Rakyat

- ▶▶▶ MoU telah ditandatangani pada 8 Oktober 2019
- ▶▶▶ Kerjasama bagi menjalankan latihan dan konsultasi
- ▶▶▶ *MoU signed on 8th October 2019*
- ▶▶▶ *Collaboration to conduct training and consultation*

13

MOCA Resources Sdn. Bhd.t

- ▶ MoA telah ditandatangani pada 11 Julai 2019.
- ▶ Kerjasama bagi menjalankan peperiksaan AESP & AGTES
- ▶ *MoU signed on 11th July 2019*
- ▶ *Collaboration to conduct AESP & AGTES examinations.*



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TANGGUNGJAWAB SOSIAL

SOCIAL RESPONSIBILITY

PROGRAM KKP DI SEKOLAH (OSH IN SCHOOL)

NIOH telah menjalankan beberapa Program Keselamatan dan Kesihatan Pekerjaan (KKP) di sekolah atau lebih dikenali sebagai *OSH In School*. Program ini bertujuan mewujudkan persekitaran sekolah yang selamat dan sihat untuk guru, kakitangan dan juga murid semasa berada di sekolah. Selain itu, ia memupuk kesedaran terhadap KKP di sekolah dan memastikan sekolah sebagai zon selamat bagi murid dan warga sekolah yang lain.

Sepanjang tahun 2019, NIOH telah melaksanakan 5 program *OSH in School* iaitu;

OSH IN SCHOOL PROGRAMME

NIOH has implemented a few Occupational Safety and Health Programmes in school which is better known as *OSH in School*. The purpose of this programme is to create a safe and healthy environment in school for teachers, staff and students. Apart from that, it serves to build awareness on Occupational Safety and Health (OSH) in school to ensure that the school is a safe zone for students and the school community.

Throughout 2019, NIOH has implemented five *OSH In School Programmes* namely:

Bil No.	Aktiviti Activities	Tarikh Date	Tempat Location
1.	Pengurusan Keselamatan dan Kesihatan Pekerjaan untuk Sekolah Tahfiz <i>Occupational Safety and Health Management for Tahfiz School</i>	29.1.2019	Auditorium Mini Layangan, Labuan <i>Mini Layangan Auditorium, Labuan</i>
2.	Seminar Pengurusan Keselamatan dan Kesihatan Pekerjaan di Sekolah <i>Seminar on Occupational Safety and Health Management in Schools</i>	4.11.2019	Sek St Mary Kuala Lumpur <i>St. Mary School, Kuala Lumpur</i>
3.	Seminar Pengurusan Keselamatan dan Kesihatan Pekerjaan di Sekolah <i>Seminar on Occupational Safety and Health Management in Schools</i>	28.9.2019	Auditorium Tan Sri Abdul Rafie, Jabatan Pendidikan Wilayah Persekutuan KL <i>Tan Sri Abdul Rafie Auditorium, Ministry of Education, Federal Territory Kuala Lumpur</i>

4.	Seminar Pengurusan Keselamatan dan Kesihatan Pekerjaan di sekolah <i>Seminar on Occupational Safety and Health Management in Schools</i>	11.4.2019	SMK Datuk Panglima Abdullah, Semporna <i>Datuk Panglima Secondary School, Semporna</i>
5.	Keselamatan dan Kesihatan Pekerjaan Untuk Taska dan Tadika <i>Occupational Safety and Health at Kindergartens and Preschools</i>	7.11.2019	Kuching, Sarawak

PEMERKASAAN KESELAMATAN DAN KESIHATAN PEKERJAAN INDUSTRI KECIL DAN SEDERHANA (IKS)

Sepanjang tahun 2019, NIOSH telah menjalankan beberapa seminar Pemerkasaan Keselamatan dan Kesihatan Pekerjaan Industri Kecil dan Sederhana (IKS). Objektif utama seminar ini dijalankan adalah;

1. Membantu majikan mempertingkatkan tahap keselamatan dan kesihatan di tempat kerja;
2. Menyampaikan maklumat terkini dan isu yang berkaitan dengan Keselamatan dan Kesihatan Pekerjaan (KKP) kepada pekerja dan majikan;
3. Menjadi medan perbincangan serta perkongsian ilmu dan pengamalan di kalangan pengamal KKP, sektor industri, jabatan kerajaan dan sebagainya;
4. Mengenalpasti dan memahami masalah yang dihadapi oleh pekerja dan majikan dalam menerapkan amalan budaya (KKP) di tempat kerja.

OSH EMPOWERMENT FOR SMALL AND MEDIUM ENTERPRISES

Throughout 2019, NIOSH has carried out several Occupational Safety and Health (OSH) seminars to help empower Small and Medium Enterprises (SMEs). The objectives of this seminar are:

1. To assist employers to improve the level of OSH at work.
2. To deliver the latest information and issue pertaining to OSH to employees and employers.
3. To create a platform for discussions and knowledge sharing among OSH practitioners, Industry, government bodies and others.
4. To identify and understand problems faced by employees and employers to practise OSH at workplace.

Sebanyak 6 program kesedaran bagi Industri Kecil dan Sederhana (IKS) dijalankan iaitu;

A total of 6 programmes on awareness for the Small and Medium Enterprises (SMEs) were carried out:

Bil No.	Aktiviti Activities	Tarikh Date	Tempat Location
1.	Pemeriksaan Keselamatan dan Kesihatan Pekerjaan Industri Kecil dan Sederhana <i>OSH Empowerment for SMEs</i>	30.9.2019	World Youth Hotel Melaka
2.	Pemeriksaan Keselamatan dan Kesihatan Pekerjaan Industri Kecil dan Sederhana <i>OSH Empowerment for SMEs</i>	12.10.2019	Sg Petani, Kedah
3.	Pemeriksaan Keselamatan dan Kesihatan Pekerjaan Industri Kecil dan Sederhana <i>OSH Empowerment for SMEs</i>	12.11.2019	The Palace Kota Kinabalu Sabah
4.	Pemeriksaan Keselamatan dan Kesihatan Pekerjaan Industri Kecil dan Sederhana <i>OSH Empowerment for SMEs</i>	26.11.2019	Merdeka Palace Hotel & Suites, Sarawak
5.	Pemeriksaan Keselamatan dan Kesihatan Pekerjaan Industri Kecil dan Sederhana <i>OSH Empowerment for SMEs</i>	4.12.2019	NIOSH, Johor.



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A close-up photograph of a person's hand holding a magnifying glass over a document. The hand is pointing at a specific section of the document. A teal-colored rectangular box is overlaid on the right side of the image, containing the text 'AUDIT DALAM INTERNAL AUDIT'. The document itself appears to be a financial statement, with the words 'BALANCE SHEET' visible at the bottom, though upside down. The background is a blurred office setting.

AUDIT DALAM INTERNAL AUDIT

AKTIVITI AUDIT DALAM NIOSH 2019

NIOSH INTERNAL AUDIT ACTIVITIES 2019

Jabatan /Bahagian <i>Department</i>	Info Aktiviti <i>Activity Information</i>	Tarikh Masa <i>Date / Time</i>	Tempat <i>Place</i>	Keterangan <i>Details</i>
Unit Audit Dalam (IAU) <i>Internal Audit Unit (IAU)</i>	PENGAUDITAN PRESTASI (Perpindahan Aset Pejabat Wilayah dari Kemaman ke Kerteh) PERFORMANCE AUDIT <i>(Asset transfer from the old regional office in Kemaman to the new one in Kerteh)</i>	1 Januari 2019 sehingga 30 Mac 2019 Site Visit (11 sehingga 12 Mac 2019) <i>1st January 2019 until 30th Mac 2019</i> <i>Site Visit (11th until 12 March 2019)</i>	Pejabat Wilayah NIOSH, Kerteh (ECRO) <i>NIOSH East Coast Regional Office, Kerteh (ECRO)</i>	Pihak IAU telah menjalankan <i>site visit</i> audit ke Pejabat Wilayah NIOSH Kerteh pada 11 sehingga 12 Mac 2019. Tujuan pengauditan adalah untuk memastikan pemindahan aset Pejabat Wilayah Kemaman ke Kerteh dilaksanakan dengan teratur dan sistematik. <i>The IAU performed site visit audit to the NIOSH East Coast Regional Office, Kerteh on 11th until 12th March 2019. The purpose of the audit is to ensure that the asset transfer from Kemaman Regional office to Kerteh Regional Office is systematically organised.</i>

Unit Audit Dalam (IAU) <i>Internal Audit Unit (IAU)</i>	PENGAUDITAN KHAS (Pengurusan Unit Khidmat Pelanggan NIOSH) SPECIAL AUDIT <i>(NIO SH Customer Service Management)</i>	14 Januari 2019 sehingga 18 Februari 2019 <i>Site Visit (14 Januari 2019)</i>	Pusat Khidmat Pelanggan, Februari 2019 <i>NIO SH (HQ) Customer Service Centre, NIO SH</i>	Pihak IAU telah melaksanakan Pengauditan Unit Khidmat Pelanggan (Call Center) NIO SH bagi mengenalpasti potensi penambahbaikan dalam Unit Khidmat Pelanggan NIO SH. <i>The IAU conducted audit on the Customer Service Unit (Call Centre) to identify improvement that can be done.</i>
Unit Audit Dalam (IAU) <i>Internal Audit Unit (IAU)</i>	PENGAUDITAN KEWANGAN (Pengurusan Kewangan - Unidentified Income) FINANCIAL AUDIT <i>(Financial Management- Unidentified Income)</i>	1 April 2019 sehingga 30 Jun 2019 Site Visit (29-30 April 2019) <i>1st April 2019 until 30th June 2019</i> <i>Site Visit (29th until 30th April 2019)</i>	Bahagian Kewangan dan Perolehan (FNPD) <i>Finance and Procurement Division (FNPD)</i>	Pihak IAU telah menjalankan pengauditan Pengurusan Kewangan-Unaudited Income di Bahagian Kewangan dan Perolehan di Ibu Pejabat NIO SH pada 29 hingga 30 April 2019 bagi memastikan rekod kewangan diuruskan dengan baik <i>The IAU conducted an audit on NIO SH Headquarters Finance and Procurement Department on 29th and 30th April 2019 to ensure the financial record on Unidentified Income is managed appropriately.</i>

Unit Audit Dalam (IAU) <i>Internal Audit Unit (IAU)</i>	PENGAUDITAN INFORMATION and COMMUNICATIONS TECHNOLOGY (ICT) <i>(NIOASH Integrated Online Services System (NISE))</i>	1 Julai 2019 sehingga 30 September 2019 Site Visit (16-17 Julai 2019) <i>1st July 2019 until 30th September 2019</i> <i>Site Visit (16th until 17th July 2019)</i>	Bahagian Peperiksaan dan Persijilan (ECD), Bahagian Pengurusan Kualiti (QMD), Bahagian Teknologi Maklumat (ITD) dan Bahagian Pembangunan Program (PDD) NIOASH Ibu Pejabat.	Pihak IAU telah menjalankan pengauditan terhadap pengurusan sistem “NIOASH Integrated Online Services” (NISE) bagi memastikan ia dapat berjalan dengan lancar. <i>The IAU has conducted an audit on NIOASH Intergrated Online Services (NISE) system to ensure that it can run smoothly.</i>
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Unit Audit Dalam (UAD) <i>Internal Audit Unit (IAU)</i>	Bengkel Hala Tuju Dan Rancangan Tahunan Unit Audit Dalam KSM Dan NIOASH 2019 <i>Workshop on Direction and Internal Audit Annual Programme 2019 in KSM and NIOASH</i>	9-11 OKT 2019 <i>9th October 2019 until 11th</i>	Admiral Cove Avillion, Port Dickson Negeri Sembilan	Objektif utama adalah memberi pendedahan kepada UAD KSM dan khususnya kepada UAD NIOASH yang baru ditubuhkan untuk mengenali dan mendapatkan informasi penyediaan Rancangan Tahunan 2020 dan Laporan Tahunan 2019 supaya hala tuju UAD dapat mencapai matlamat objektif pengauditan <i>The main objective is to give exposure to KSM IAU and newly formed NIOASH IAU on how to get acquainted and share information on the preparation of Internal Audit Programme 2020 and Annual Report 2019 to achieve the auditing objectives.</i>
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AKTIVITI 1 : Perpindahan Aset Pejabat Wilayah Daripada Kemaman ke Kerteh

ACTIVITY 1 : Asset Transfer from Kemaman to Kerteh Regional Office

Pengauditan di Pejabat
Wilayah Pantai Timur Kerteh
(11-13 Mac 2019)



Audit at Kerteh East Coast
Regional Office
(11th - 13 March 2019)



Pengauditan di Pejabat Wilayah Pantai
Timur Kerteh, (Peralatan Personal Protection
Equipment) (11-13 Mac 2019)



Audit at Kerteh East Coast Regional Office
(Personal Protection Equipment)
(11th -13 March 2019)

AKTIVITI 2 : Pengurusan Unit Khidmat Pelanggan NIOSH

ACTIVITY 2 : NIOSH CUSTOMER SERVICE MANAGEMENT

Pengauditan Unit Khidmat Pelanggan
(14 Jan-18 Feb 2019)

Audit at NIOSH Customer Service Unit
(14th Jan - 18th Feb 2019)



Pengauditan Unit Khidmat Pelanggan
(14 Jan - 18 Feb 2019)

Audit at NIOSH Customer Service Unit
(14th Jan - 18th Feb 2019)



AKTIVITI 3 : Pengauditan Pengurusan Kewangan-Unidentified Income ACTIVITY 3 : Financial Management Audit- Unidentified Income

Pejabat Bahagian Kewangan
dan Perolehan (FNPD) NIOSH
(29- 30 April 2019)

*Audit at NIOSH Finance
and Procurement Division
(29th - 30th April 2019)*



Kaunter Pendaftaran dan
Pembayaran Menara NIOSH Bangi
(29 April 2019)

*NIOSH Tower Bangi Registration
and Payment Counter
(29th April 2019)*

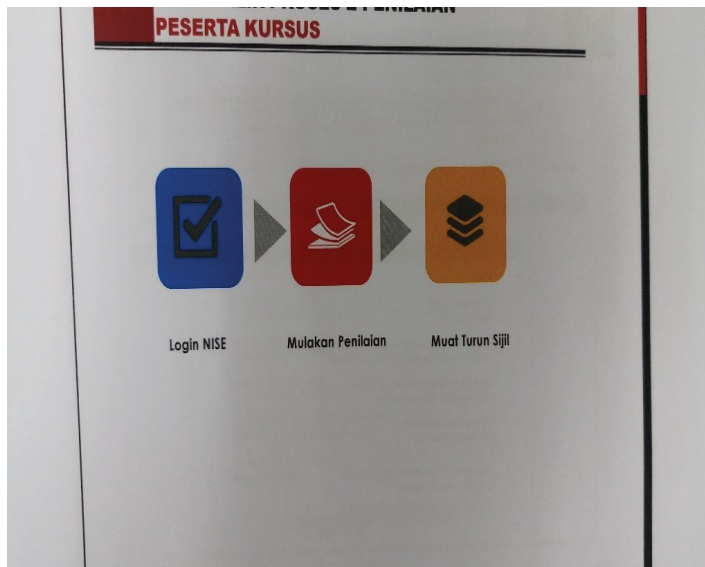
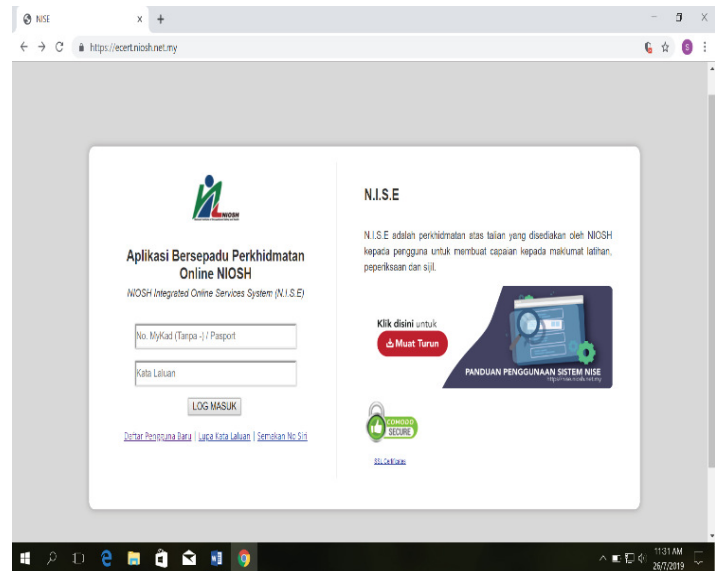


AKTIVITI 4 : Pengurusan Sistem NIOSH Integrated Online Services System (NISE)

ACTIVITY 4 : NIOSH Integrated Online Services System (NISE) Management System

Laman Sesawang Sistem NISE
Site Visit Audit
(16 - 17 Julai 2019)

NISE System Website
Site Visit Audit
(16th - 17th July 2019)



Carta Alir E-Cert dan E-Perolehan
Site Visit Audit
(16-17 Julai 2019)

E-Cert and E-Evaluation Process
Flow Chart Site Visit Audit
(16th - 17th July 2019)

AKTIVITI 5 : Bengkel Hala Tuju Dan Rancangan Tahunan Unit Audit Dalam KSM Dan NIOSH 2019

ACTIVITY 5 : KSM and NIOSH Direction and Annual Internal Audit Programme 2019 Workshop

Bengkel Hala Tuju Dan Rancangan Tahunan Unit Audit Dalam KSM Dan NIOSH 2019 (9-11 OKT 2019)

KSM and NIOSH Direction and Annual Internal Audit Programme 2019 Workshop (9th - 11th Oct 2019)



Bengkel Hala Tuju Dan Rancangan Tahunan Unit Audit Dalam KSM Dan NIOSH 2019 (9-11 OKT 2019)

KSM and NIOSH Direction and Annual Internal Audit Programme 2019 Workshop (9th - 11th Oct 2019)



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**NIOSH CERTIFICATION
SDN BHD**

NIOSH CERTIFICATION

**YBhg. Dato' Dr.
Chong Chee Kheong**
Ahli Lembaga Pengarah
NIOSH Certification

Tuan Haji Ayop Bin Salleh
Pengerusi NIOSH Certification

**Tuan Haji Nik Hasbi Fathi
Bin Nik Hussain Fathi**
Ahli Lembaga Pengarah
NIOSH Certification

**LEMBAGA PENGARAH NIOSH
CERTIFICATION**
*NIOSH CERTIFICATION
BOARD MEMBERS*

Dr. Haji Sharudin Bin Shari
Ahli Lembaga Pengarah
NIOSH Certification

**YBhg. Datuk Haji
Shamsuddin Bin Bardan**
Ahli Lembaga Pengarah
NIOSH Certification

**YBhg. Dato Seri Dr. Mohammad
Azman Bin Aziz Mohammed**
Ahli Lembaga Pengarah
NIOSH Certification

Encik Foo Chek Lee
Ahli Lembaga Pengarah
NIOSH Certification

**Muhammad Fadhil Bin
Abu Bakar**

Pengurus Pembangunan Perniagaan
Business Development Manager

Syamsul Zahrin Bin Zainudin

Pengurus Besar
General Manager

Bahtiar Bin Basri

Pengurus Korporat
Corporate Manager

**KUMPULAN PENGURUSAN
NIO SH CERTIFICATION
NIO SH CERTIFICATION
MANAGEMENT TEAM**

Asiah Nasution Binti Suhaimi

Pengurus Pensijilan
Certification Manager

Amirthasamy Mahalingam

Pengurus Kanan Operasi
Senior Operation Manager

Azizi Bin Hj. Hamid

Pengurus Latihan
Training Manager

NIOSH CERTIFICATION

NIOSH Certification adalah Badan Pensijilan milik Institut Keselamatan dan Kesihatan Pekerjaan Negara (NIOOSH), Kementerian Sumber Manusia, Malaysia. Ditubuhkan pada 4 Februari 2004, NIOSH Certification berperanan menyediakan pelbagai perkhidmatan pengauditan dan pensijilan terhadap sistem pengurusan pensijilan yang mematuhi piawaian, kod amalan, garis panduan dan peraturan untuk industri di Malaysia.

Melalui pengiktirafan akreditasi Jabatan Standard Malaysia, NIOSH Certification komited memberi perkhidmatan pensijilan berkualiti, bernilai tambah dan kompetitif. NIOSH Certification menawarkan skim pensijilan Sistem Pengurusan Keselamatan dan Kesihatan Pekerjaan (OSHMS) bagi keperluan standard ISO 45001, MS 1722, OHSAS 18001 selari dengan fokus utama NIOSH untuk mewujudkan budaya terhadap Keselamatan dan Kesihatan Pekerjaan (KKP) yang baik di Malaysia.

Seiring dengan permintaan industri, NIOSH Certification memperluaskan perkhidmatan pensijilan dalam skim Pensijilan Sistem Pengurusan Alam Sekitar (EMS), Sistem Pengurusan Kualiti (QMS), Sistem Pengurusan Keselamatan Makanan (FSMS), Sistem Pengurusan Kelapa Sawit Mampan (MSPO) dan yang terkini adalah Pensijilan Piawaian Pensijilan Rantaian Bekalan (MSPO-SCCS).

Tahun 2019 NIOSH Certification mula melebarkan perkhidmatan di luar Malaysia dengan menjalankan perkhidmatan pensijilan skim Sistem Pengurusan Keselamatan dan Kesihatan Pekerjaan (OSHMS) dan skim Pensijilan Sistem Pengurusan Alam Sekitar (EMS) di Negara Brunei Darul Salam.

NIOSH CERTIFICATION

NIOSH Certification is a certification body owned by the National Institute of Occupational Safety and Health, Ministry of Human Resources. Formed in 2004, NIOSH Certification played its role in providing auditing and certification services for certification management system which complies with the standards, practice, guidelines and regulations applied to the industry in Malaysia.

With the accreditation awarded by the Department of Standards Malaysia, NIOSH Certification is committed to provide quality, value-added and competitive certification services. NIOSH Certification offers certification scheme on Occupational Safety and Health Management System (OSHMS) which complies with standard requirement as in ISO 45001, MS 1722, OSHAS 18001, in line with NIOSH's main focus to create good Occupational Safety and Health culture in Malaysia.

In line with industrial demand, NIOSH Certification has also expanded its certification services to Certification Scheme in Environmental Management System (EMS), Quality Management System (QMS), Food Safety Management System (FSMS), Malaysian Sustainable Palm Oil (MSPO) and Malaysian Sustainable Palm Oil Supply Chain Certification Standard (MSPO-SCCS).

In 2019, NIOSH Certification began to extend its services outside Malaysia by conducting certification services schemes in Occupational Safety and Health Management System and Environment Management Services (EMS) in Brunei Darul Salam.

PEMBANGUNAN KAPASITI

NIOSH Certification telah berjaya meluaskan skop perkhidmatan pensijilan bagi skim akreditasi OSHMS, EMS, dan QMS kepada 34 skop daripada keseluruhan 39 skop yang ada. Untuk skim MSPO, NIOSH Certification juga telah mendapatkan pengiktirafan akreditasi bagi kesemua skim MSPO dengan penambahan 3 Skim baru iaitu MSPO-3, MSPO-4 dan MSPO-SCCS pada 29 Disember 2019.

Di peringkat kebangsaan, NIOSH Certification terlibat secara langsung dalam "Technical Committee on Safe System of Work and Practices in Occupational Setting (TC/W/6) bagi pembangunan standard dan "Working Group of MSPO Standards Review" (WG2 and WG3). Manakala di peringkat antarabangsa, NIOSH Certification terlibat sama di dalam Mesyuarat ISO "General Assembly (ISO GA)" ke-42 dan Mesyuarat ISO "Developing Countries Committee (ISO DEVCO)" ke-53 dari 15 hingga 20 September 2019 di Cape Town, Afrika Selatan dan Mesyuarat Jawatankuasa Teknikal berkenaan "Occupational Health Management (ISO/TC 283)" pada 6 -12 Oktober 2019 di Kigali, Rwanda. NIOSH Certification juga telah menghantar kakitangan untuk mengikuti program "KOSHA Fellowship Training Program on Safety Certification System of Korea di Ulsan (22 - 25 Okt 2019)" dan "CORSIA Training for National Accreditation and Verification Bodies: The Accreditation and Verification Process" pada 30 September hingga 11 November 2019 di Bangkok, Thailand.

CAPACITY DEVELOPMENT

NIOSH Certification succeeded in widening its scope of certification services in accreditation schemes of OSHMS, EMS, and QMS by covering 34 out of 39 scopes available. As for MSPO, NIOSH Certification obtained accreditation for the entire MSPO schemes with an additional of 3 new schemes namely MSPO-3, MSPO-4 and MSPO-SCCS on 29 December 2019.

At the national level, NIOSH Certification is directly involved in the Technical Committee on Safe System of Work and Practices in Occupational Setting (TC/W/6) for standard development and Working Group of MSPO Standards Review (WG2 and WG3). At the international level, NIOSH Certification is involved in the 42nd ISO General from Assembly Meeting (ISO GA) and the 53rd ISO Developing Countries Committee (ISO DEVCO) held from 15th to 20 September 2019 in Cape Town, South Africa and The Technical Meeting on Occupational Health Management (ISO/TC 283) held from 6th to 12th October 2019 in Kigali, Rwanda. Another programme was CORSIA Training for National Accreditation and Verification Bodies: The Accreditation and Verification Process" from 30th September to 11th November 2019 in Bangkok, Thailand.

BIL. NO.	SECTOR CATEGORY	OSHMS			QMS	EMS	FSMS	HACCP	MSPO			MSPO -SCCS
		MS 1722	OHSAS 18001	ISO 45001	ISO 9001	ISO 14001	ISO 2200	MS 1480	MS 12530-2	MS 12350-3	MS 12350-4	MSPO -SCCS
1.	Produk Makanan, Minuman dan Tembakau <i>Food Products, Beverages and Tobacco</i>	4	4		1	2						
2.	Syarikat Percetakan <i>Printing Companies</i>		1			1						
3.	Logam Asas dan Produk Logam Yang direka <i>Basic Metals and Fabricated Metal Products</i>			1								
4.	Mesin dan Peralatan <i>Machinery and Equipment</i>	1										
5.	Peralatan Elektrik dan Optik <i>Electrical and Optical Equipment</i>		2	5								
6.	Alatan Pengangkutan Lain-lain <i>Other Transport Equipment</i>		1		1							
7.	Pembinaan <i>Construction</i>	5	10	3	8	9						
8.	Perkhidmatan Kejuruteraan <i>Engineering Services</i>	3	7	6	11	5						

		MS 1722	OHSAS 18001	ISO 45001	ISO 9001	ISO 14001	ISO 2200	MS 1480	MS 12530-2	MS 12350-3	MS 12350-4	MSPO -SCCS
9.	Bahan Kimia, Produk Kimia dan Fiber <i>Chemicals, Chemical Products and Fibre</i>		2	5	2	2						
10.	<i>Limited to "Base metals production"</i>			1								
11.	Perlombongan dan Kuari <i>Mining and Quarrying</i>		1		1	1						
12.	Bekalan Elektrik <i>Electricity Supply</i>	1	4	2		5						
13.	Bekalan Gas <i>Gas Supply</i>	1	1	1								
14.	Perdagangan Runcit & Borong, Pembaikan Kenderaan Bermotor, Barangan Persendirian & Rumah <i>Wholesale and Retail Trade; Repair Of Motor Vehicles, Motorcycles and Personal Household Goods</i>		1			3						
15.	Hotel dan Restoran <i>Hotels and Restaurant</i>		1									
16.	Pengangkutan, Penyimpanan & Komunikasi <i>Transport, Storage and Communication</i>	1	5	3	4	9						
17.	Pengantaraan Kewangan; Hartanah: Penyewaan <i>Financial Intermediation; Real Estate; Renting</i>	1	1	1								

		MS 1722	OHSAS 18001	ISO 45001	ISO 9001	ISO 14001	ISO 2200	MS 1480	MS 12530-2	MS 12350-3	MS 12350-4	MSPO -SCCS
18.	Teknologi Maklumat <i>Information Technology</i>	1										
19.	Perkhidmatan Lain-Lain <i>Other Services</i>	1	6		2							
20.	Pentadbiran Awam <i>Public Administration</i>	1	2	3	1							
21.	Pendidikan <i>Education</i>	7	2	1	1							
22.	Katering <i>Catering</i>						1	1				
23.	Kelapa Sawit <i>Oil Palm</i>								21	158	43	22
	JUMLAH / TOTAL	28	55	5	39	31	1	1		222		22



Jadual 1 : Jumlah Pensijilan Sistem Pengurusan
Table 1 : Total Number of Management System Certification

PEMBANGUNAN KOMPETENSI DAN PENGETAHUAN

NIOSH Certification menyediakan khidmat latihan bagi sistem pengurusan yang bertujuan untuk memacu pembangunan pengetahuan sumber manusia bagi memenuhi keperluan sektor awam dan swasta. Di antara penganjuran program latihan berkaitan adalah seperti kursus kesedaran, Juru audit Dalaman dan Ketua Juruaudit bagi OSHMS (ISO 45001), EMS (ISO 14001), QMS (ISO 9001), FSMS (ISO 22000), MSPO (MS 2530), RTMS (ISO 39001) dan ATMS (ISO 21101). Program-program ini memberi penekanan mengenai aspek pengetahuan dalam sistem pengurusan, kemahiran dan kompetensi dalam bidang pengauditan.

Pada tahun 2019, NIOSH Certification telah mendapatkan Pengiktirafan daripada Majlis Pensijilan Minyak Sawit Malaysia (MPOCC) untuk Program Kursus Juruaudit MSPO-SCCS dan pada tahun ini juga NIOSH Certification telah membangunkan Modul Latihan Kursus Ketua Juruaudit Sistem Pengurusan Keselamatan Lalu Lintas (RTSMS) & Jalan Raya dan Sistem Pengurusan Keselamatan Pelancongan Kembara (ATSMS).

Sebanyak 143 program latihan berkaitan standard sistem pengurusan telah dijalankan merangkumi 59 program kesedaran termasuk 6 seminar, 63 kursus lanjutan dan 21 kursus ketua juruaudit yang terdiri daripada kursus public dan "in-house" sepanjang tahun 2019. Sebanyak 3,278 peserta telah mendapat manfaat menerusi program-program yang telah dianjurkan.

Pada tahun sama, NIOSH Certification turut mengadakan kerjasama dengan "Russian Register Academy" dan hasil dari kerjasama ini beberapa kursus telah berjaya dilaksanakan. Antaranya ialah Kursus Ketua Juruaudit bagi Sistem Pengurusan Keselamatan Kesihatan Pekerjaan (ISO 45001), Sistem Pengurusan Kualiti (ISO 9001) dan Sistem Pengurusan Alam Sekitar (ISO 14001) yang diiktiraf oleh "International Register of Certificated Auditors (IRCA)".

COMPETENCY AND KNOWLEDGE DEVELOPMENT

NIOSH Certification provides training services for management system that are aimed at driving the development of human resource knowledge to fulfill the needs and requirements of the public and private sectors. Relevant programmes that were organised include those related to awareness courses, as well as Internal Auditors and Chief Auditors courses for OSHMS (ISO 45001), EMS (ISO 14001), QMS (ISO 9001), FSMS (ISO 22000) and MSPO (MS 2530). These programmes emphasised on the knowledge of management system standards, skills and competency in the auditing field.

In 2019, NIOSH Certification successfully obtained the recognition from the Malaysian Palm Oil Certification Council (MPOCC) for its MSPO Lead Auditor Course Programme. In the same year, NIOSH Certification also developed Road Traffic Safety Management System module for Lead Auditors and Adventure Tourism Safety Management System (ATSMS).

A total of 143 training programmes related to standards in management system have been conducted, including 6 seminars, 63 advance courses and 21 chief auditors courses which includes in-house and public courses throughout 2019. A total of 3,278 participants have benefitted from the programmes that have been carried out.

In the same year, NIOSH Certification also collaborated with the Russian Register Academy for Lead Auditor Course for Occupational Safety and Health Management System (ISO 45001), Quality Management System (ISO 9001) and Environmental Management System (ISO 14001) that are recognised by the International Register of Certificated Auditors (IRCA).

BIL. NO.	JENIS PROGRAM TYPE OF PROGRAMME	JUMLAH PROGRAM TOTAL PROGRAMME	JUMLAH PESERTA TOTAL PARTICIPANTS
1.	Program Kesedaran Sistem Pengurusan <i>Management System Awareness Programme</i>	59	1,414
2.	Program Lanjutan Sistem Pengurusan <i>Management System Enhancement Programme</i>	63	1,553
3.	Program Ketua Juruaudit <i>Lead Auditor Programme</i>	21	311
	JUMLAH / TOTAL	143	3278



Jadual 2 : Jumlah Latihan Sistem Pengurusan
Table 2 : Total Number of Management System Training

AKTIVITI TAHUNAN 2019 ANNUAL ACTIVITY 2019

1. MAJLIS PENYERAHAN SIJIL SISTEM PENGURUSAN KESELAMATAN DAN KESIHATAN PEKERJAAN (ISO 45001) DAN SISTEM PENGURUSAN ALAM SEKITAR (ISO 14001) KEPADA POLYCEL ORGANOMETALLIC (B) SDN. BHD., BRUNEI DARUSSALAM PADA 14 OKTOBER 2019

THE HANDING OVER CERTIFICATES CEREMONY ON OCCUPATIONAL SAFETY AND HEALTH MANAGEMENT SYSTEM (ISO 45001) AND ENVIRONMENT MANAGEMENT SYSTEM (ISO 14001) TO POLYCEL ORGANOMETALLIC (B) SDN. BHD., BRUNEI DARUSSALAM ON 14th OCTOBER 2019



Gambar 1: Penyerahan sijil ISO 45001 dan ISO 14001 oleh Pengerusi Lembaga Pengarah NIOSH Certification, YBrs. Tn. Hj. Ayop Salleh kepada Encik Luv Shah Ketua Pegawai Eksekutif Polygel Sdn. Bhd.

Picture 1: The handing over of ISO 45001 and ISO 14001 certificates by NIOSH Certification Board of Directors Chairman, YBrs. Tn. Hj. Ayop Salleh to the Chief Executive Officer of Polygel Sdn. Bhd.

2. PROGRAM BENGKEL PEMBANGUNAN MODUL LATIHAN BAGI SISTEM PENGURUSAN LALU LINTAS DAN JALAN RAYA (RTSMS), ISO 39001 PADA 25 & 26 JANUARI 2019

WORKSHOP ON DEVELOPING TRAINING MODULE FOR ROAD TRANSPORT SAFETY MANAGEMENT SYSTEM (RTSMS), ISO 39001 ON 25th & 26th JANUARY 2019.



Gambar 2 : Ahli Panel Pembangunan Modul Latihan bagi Sistem Pengurusan Lalu Lintas dan Jalan Raya (RTSMS) terdiri daripada wakil PERKESO, JKPP, JPJ, MIROS, MRTSA, PUSPAKOM, PLUS, wakil Malaysia dalam TC 39001, NIOSH dan NIOSH Certification

Picture 2 : The panels for Developing Training Module for Road Traffic Safety Management System (RTSMS) consisting of representatives from PERKESO, JKPP, JPJ, MIROS, MRTSA, PUSPAKOM, PLUS, representing Malaysia in TC 39001, NIOSH and NIOSH Certification.

3. PROGRAM BENGKEL PEMBANGUNAN MODUL LATIHAN STANDARD PENSIJILAN RANTAIAN BEKALAN (MSPO-SCCS) PADA 2 FEBRUARI 2019
WORKSHOP ON DEVELOPING STANDARD CERTIFICATION SUPPLY CHAIN MODULE (MSPO-SCCS) ON 2 FEBRUARY 2019.



Gambar 3: Ahli Panel Pembangunan Modul Latihan Standard Pensijilan Rantaian Bekalan (MSPO-SCCS) terdiri daripada wakil Sawit Kinabalu Sdn. Bhd., Ketua Juru Audit SCCS, Tenaga Pengajar SCCS dan NIOSH Certification

Picture 3: The panels Workshop On Developing Standard Certification Supply Chain Module (MSPO-SCCS) consisting of representatives from Sawit Kinabalu Sdn. Bhd., SCCS Lead Auditor, SCCS Trainers and NIOSH Certification.

4.

BENGKEL PEMBANGUNAN MODUL LATIHAN BAGI SISTEM PENGURUSAN KESELAMATAN PELANCONGAN KEMBARA (ADVENTURE TOURISM SAFETY MANAGEMENT SYSTEMS (ATSMS), ISO21101 PADA 11-12 DISEMBER 2019

WORKSHOP ON DEVELOPING TRAINING MODULE FOR ADVENTURE TOURISM SAFETY MANAGEMENT SYSTEMS (ATSMS), ISO21101 ON 11th-12th DECEMBER 2019



Gambar 4 : Ahli Panel Bengkel Pembangunan Modul Latihan Sistem Pengurusan Keselamatan Pelancongan Kembara (ATSMS) terdiri daripada wakil MOTAC, JKPP, NIOSH Malaysia, Sabah Tourist Association, Traverse Tours, Inno Travel, Camp Borneo, Fly high, Ability Expeditions, Papyrus Marine, Kinabalu Heritage Tours dan NIOSH Certification

Picture 4 : The Panels of WORKSHOP ON DEVELOPING TRAINING MODULE FOR ADVENTURE TOURISM SAFETY MANAGEMENT SYSTEMS (ATSMS) consisting of representatives from MOTAC, JKPP, NIOSH Malaysia, Sabah Tourist Association, Traverse Tours, Inno Travel, Camp Borneo, Fly high, Ability Expeditions, Papyrus Marine, Kinabalu Heritage Tours and NIOSH Certification

5. MESYUARAT JAWATANKUASA TEKNIKAL BERKENAAN OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT (ISO/TC 283) DI KIGALI, RWANDA. 16-20 OKTOBER 2019

THE TECHNICAL COMMITTEE MEETING ON OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT (ISO/TC 283) IN KIGALI, RWANDA ON 16th - 20th OCTOBER 2019



Gambar 5 : Sesi Fotografi Mesyuarat Jawatankuasa Teknikal Berkenaan Occupational Health and Safety Management (ISO/TC 283) Di Kigali, Rwanda.

Picture 5 : Photography session of The Technical Committee Meeting On Occupational Health And Safety Management (ISO/TC 283) In Kigali, Rwanda on 16th -20th October 2019



Gambar 6 : Pengurus Kanan Operasi NIOSH Certification, En. Amirthasamy Mahalingam bersama delegasi Malaysia yang terlibat di dalam Mesyuarat ini.

Picture 6 : NIOSH Certification Senior Operations Manager, Mr. Amirthasamy Mahalingam with the delegates from Malaysia.

6. MESYUARAT ISO GENERAL ASSEMBLY (ISO GA) KE-42 DAN MESYUARAT ISO DEVELOPING COUNTRIES COMMITTEE (ISO DEVCO) KE-53 DI CAPE TOWN, SOUTH AFRICA 16-19 SEPTEMBER 2019

THE 42nd ISO GENERAL ASSEMBLY MEETING (ISO GA) AND THE 53RD ISO DEVELOPING COUNTRIES COMMITTEE (ISO DEVCO) IN CAPE TOWN, SOUTH AFRICA 16th -19th SEPTEMBER 2019



Gambar 7 : Pengurus Pensijilan NIOSH Certification Pn. Asiah Nasution Suhaimi bersama delegasi Malaysia dan Ketua Pengarah Jabatan Standard Malaysia, Datuk Fadilah Baharin.

Picture 7: NIOSH Certification Manager, Pn. Asiah Nasution Suhaimi and the delegates from Malaysia with Department of Standards Malaysia Head of Director, Datuk Fadilah Baharin.

7.

PROGRAM NIOSH CERTIFICATION AUDITOR CALIBRATION PADA 15 OGOS 2019
NIOSH CERTIFICATION AUDITOR CALIBRATION PROGRAMME ON 15th AUGUST 2019



Gambar 8 : Sesi Perbincangan di antara juruaudit bersama tenaga pengajar dengan topik Compliance To OSH Legal & Other Requirements

Picture 8 : Discussion on Compliance To OSH Legal & Other Requirements between Auditors and trainers

**8. PROGRAM SEMINAR COMMUTING ACCIDENT PREVENTION TOWARDS VISION ZERO (CAPTVOS)
PADA 2-3 NOVEMBER 2019**

**COMMUTING ACCIDENT PREVENTION TOWARDS VISION ZERO (CAPTVOS) SEMINAR ON
2nd -3rd NOVEMBER 2019**



Gambar 9 : Sesi seminar Commuting Accident Prevention Towards Vision Zero (Captvos)

Picture 9 : Commuting Accident Prevention Towards Vision Zero (Captvos) Seminar session

9. PERKONGSIAN MAKLUMAT MENGENAI INTERNATIONAL RAILWAY STANDARD CERTIFICATION (IRIS)
INFORMATION SHARING SESSION ON INTERNATIONAL RAILWAY STANDARD CERTIFICATION (IRIS)



Gambar 10 : Sesi Perbincangan di antara NIOSH Certification bersama Rapid Rail Sdn. Bhd dan Russian Register Academy

Picture 10 : Discussion session between NIOSH Certification with Rapid Rail Sdn. Bhd and Russian Register Academy

10. PROGRAM LATIHAN “CORSIA TRAINING FOR NATIONAL ACCREDITATION AND VERIFICATION BODIES: THE ACCREDITATION AND VERIFICATION PROCESS” DI HOTEL MIRACLE, BANGKOK THAILAND. 30 SEPT-11 OKT 2019

THE “CORSIA TRAINING FOR NATIONAL ACCREDITATION AND VERIFICATION BODIES: THE ACCREDITATION AND VERIFICATION PROCESS” TRAINING PROGRAMME AT HOTEL MIRACLE, BANGKOK THAILAND ON 30th SEPTEMBER 2018 -11th OCTOBER 2019



Gambar 11 : Penyerahan sijil kepada Ketua Unit Kelestarian NIOSH Certification, Cik Aisa Haris Pang di Bangkok, Thailand.

Picture 11 : Handing of certificate to Miss Aisa Haris Pang, NIOSH Certification Head of Sustainability Unit

**11. “KOSHA FELLOWSHIP TRAINING PROGRAM ON SAFETY CERTIFICATION SYSTEM OF KOREA”
PADA 22-25 OKTOBER 2019**

**KOSHA FELLOWSHIP TRAINING PROGRAMME ON SAFETY CERTIFICATION SYSTEM OF KOREA”
ON 22nd-25th OCTOBER 2019**



Gambar 12 : En. Shahrul Neezam, Juruaudit NIOSH Certification bersama delegasi yang menghadiri program latihan di Busan, Korea.

Picture 12 : NIOSH Certification Auditor, Mr. Shahrul Neezam with the delegates attending the training programme held in Busan, Korea.



LAPORAN TAHUNAN NIOSH 2019

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INSTITUT KESELAMATAN DAN KESIHATAN PEKERJAAN NEGARA

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