



FIRE & RESCUE DEPARTMENT SARAWAK

TOTAL FIRE SAFETY MANAGEMENT NIO SH

INDUSTRY TRANSFORMATIONS OSH ENGAGEMENT

**KHIRUDIN BIN DRAHMAN @ HUSSAINI
SENIOR ASSISTANT COMMISSIONER**



Profile...

Name : Khirudin bin Drahman @ Hussaini
Place Of Work : Fire & Rescue Department Sarawak
Position : Director
Rank : Senior Assistant Commissioner
**Qualification : Master of Science ERP (UPM)
Malaysia**



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Profesional & Afifiliation....

- **Member of IFE (U.K) Malaysia Branch**
- **President of Institution of Master in Disaster and Emergency Management (IMDEMM) 2018 / 2019**
- **Honorary Advisor to :-**
 - # **FARA Malaysia**
 - # **FARA Thailand**
 - # **Yayasan Patriot Negara Malaysia**
 - # **Persatuan Pengguna Islam Malaysia (PPIM)**
 - # **Persatuan Orang Kota Bharu (PKOB)**
 - # **PIAPS**
 - # **Make a Wish**
 - # **REDHA Kuala Lumpur**



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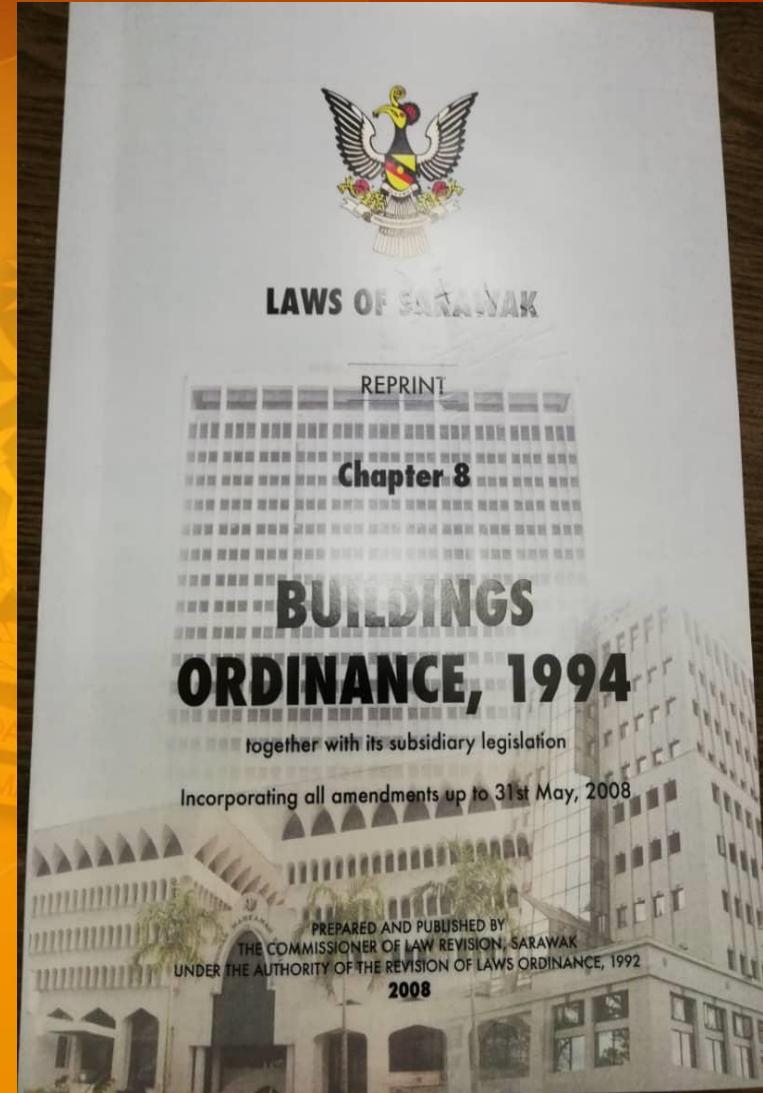
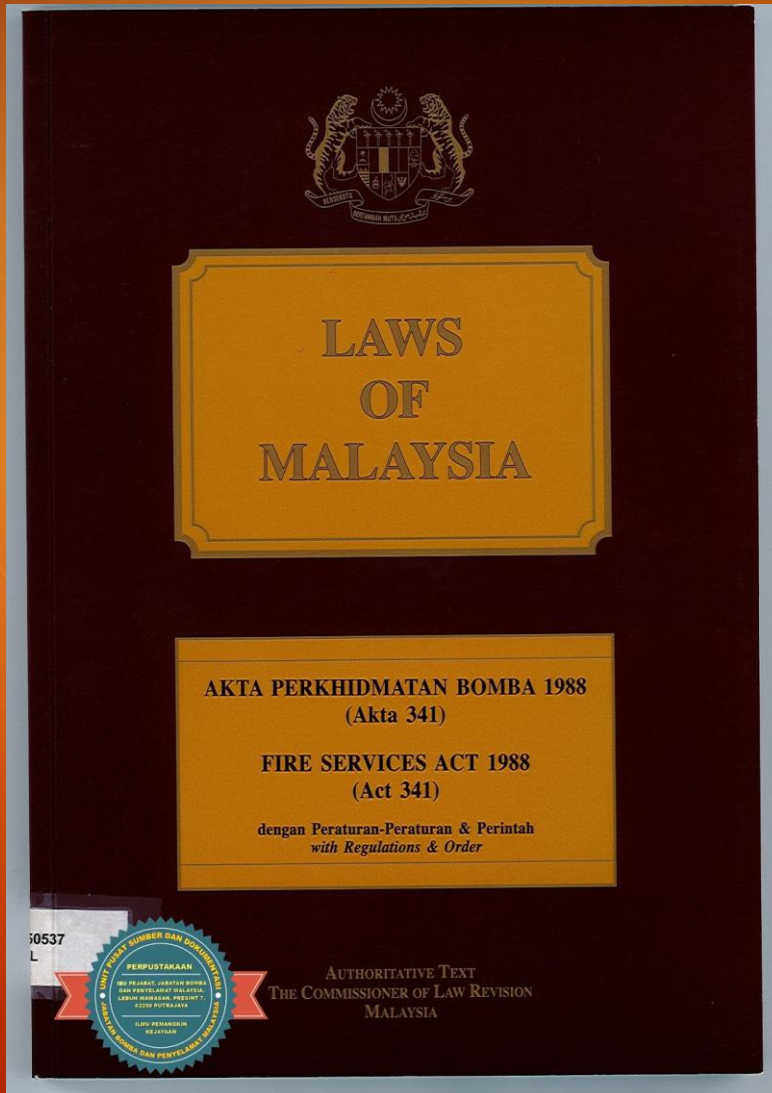


OBLIGATION UNDER THE FIRE SERVICES ACT 341 (SECTION 5)

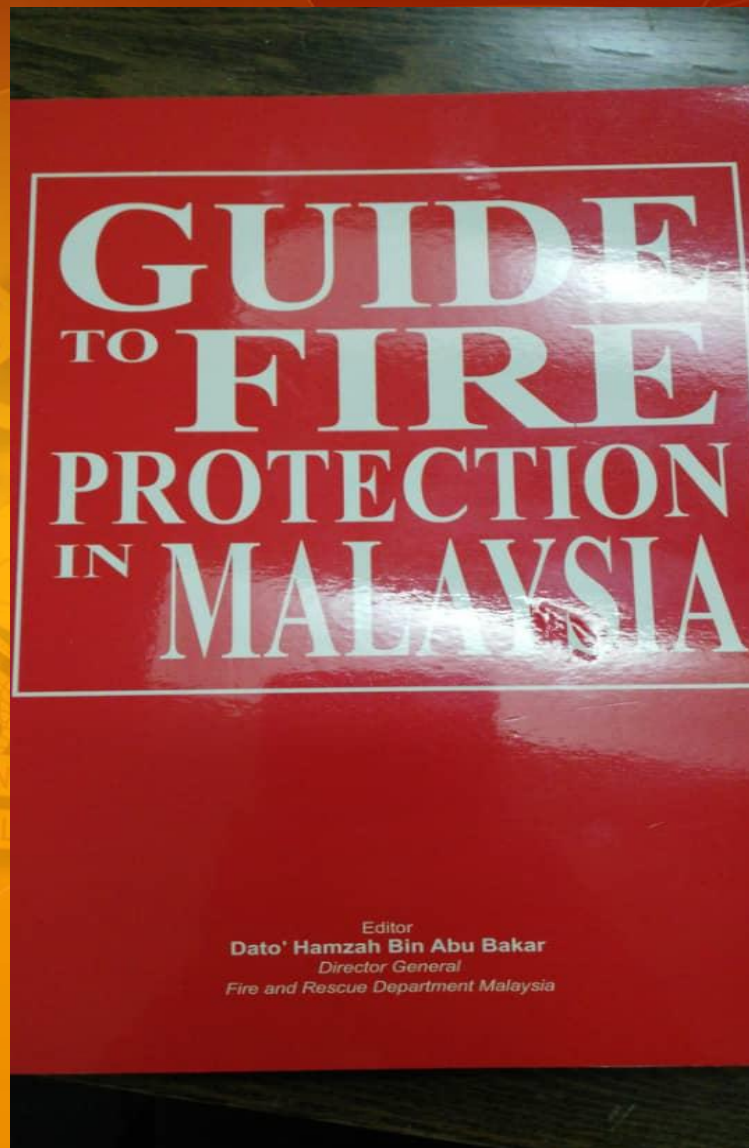
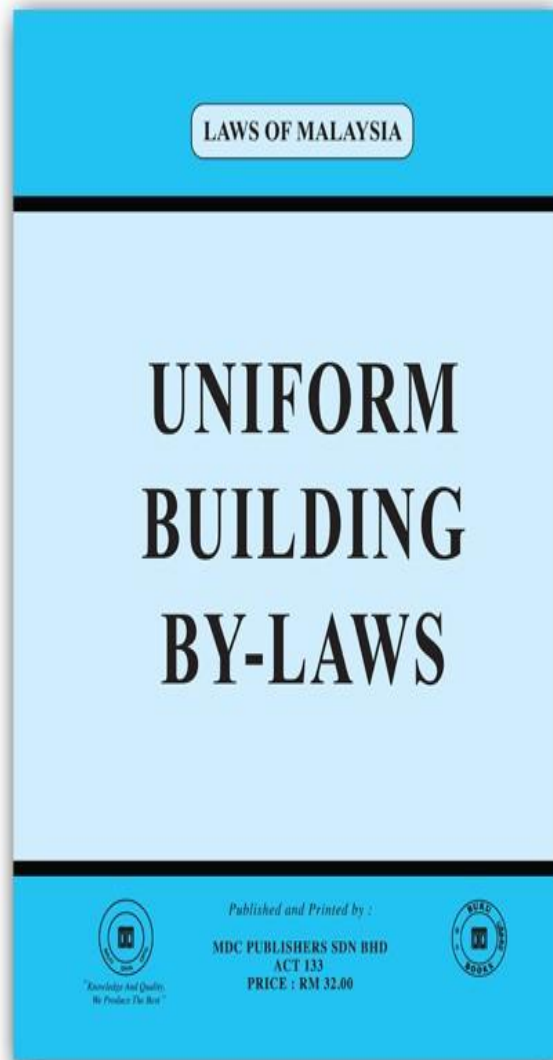


5. (1) The duties of the Fire Services Department shall include –
- (a) the taking of lawful measures for –
 - (i) extinguishing, fighting, preventing, and controlling fires;
 - (ii) protecting life and property in the event of a fire;
 - (iii) securing the provision, maintenance, and proper regulation of fire-escapes; and
 - (iv) securing the provision of adequate means of exit in the event of fire from all designated premises;
 - (b) the making of investigations into the cause, origin, and circumstances of fires; and
 - (c) performing humanitarian services, including the protection of life and property in any calamity.
- (2) The Fire Services Department may, in addition to its duties under subsection (1), perform such other duties as may be imposed on it by law or as the Minister may direct it to perform.

FIRE SERVICES ACT 341 & SBO



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WHAT IS THE OBJECTIVES OF TOTAL FIRE COVER

- Preventing Fires From Occurring
- Protecting People & Property From Fire
- Preparing For Fire Incident
- Responding To Fire Incident
- Recovering From Fire Incident

CRITICAL ISSUE INVOLVING 5 PARTIES





Total Fire Cover for Sarawak - 4E's Approach



Engineering



Education



Enforcement



Emergency
Response



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COMMON CAUSES OF FATAL FIRES



- ❑ Delayed awareness of fires
- ❑ Exits locked, barred or blocked
- ❑ Occupants unaware of alternative escape routes
- ❑ Escape routes untenable due to smoke logging
- ❑ Escape routes inadequate in number, size or design



Statistic Of Death in Fire Malaysia 2011-2017

Country / State	2015	2016	2017	2018
Malaysia	153	107 	147 	97 
Sarawak	9	7 	12 	13 



**Are We ABSOLUTELY
SAFE From
FIRE?**

YES / NO ?



FIRE
IS AN
UNINVITED
GUEST

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**“ FIRE FIGHTING
IS A
LOSING BATTLE ”**

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WHAT IS THE CONTRIBUTING CAUSE FOR **ACCIDENTAL FIRES**

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HUMAN UNSAFE ACTS AND ENVIROMENTAL UNSAFE CONDITIONS

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JABATAN BOMBA DAN PENYELAMAT MALAYSIA
NEGERI SARAWAK



You are **RESPONSIBLE**
For **UNSAFE**

A **ACT**

B **BEHAVIOUR**

C **CONDITION**

ACT AND CHANGE
BE SAFE AND STAY SAFE

Community Learning Centre (CLC)

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JABATAN BOMBA DAN PENYELAMAT MALAYSIA
NEGERI SARAWAK



JANGAN
ada sindrom
LUPA
LEKA
LALAI



Lengkapkan DIRI kita
untuk MENGHADAPI ini
Dengan juga....

LAWAN
(ALAT PEMADAM API)

3L

LARI
(SELAMATKAN DIRI)

LAPOR
(MERS 999)

BERSAMA KITA MENCEGAH
KEBAKARAN

Community Learning Centre (CLC)

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FIRE **IS OUR** **COMMON** **ENEMY**

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KNOW YOUR ENEMY

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Main Hazardous Chemical Generated From Fire

- i. Carbon Dioxide (CO_2)
- ii. Carbon Monoxide (CO)
- iii. Hydrochloric (HCl)
- iv. Dioxin
- v. Polycyclic Aromatic Hydrocarbon (PAH)
- vi. Volatile Organic Compounds (VOC)
- vii. Phosgene
- viii. Sulfur Dioxide (SO_2)
- ix. Chlorine (Cl_2)



Oxygen Level	Consequences
21 %	Normal Reaction
17 %	Impaired Judgement and Coordination
12 %	Headache, Dizziness, Fatigue
9 %	Unconsciousness
6 %	Respiratory Arrest, Cardiac Arrest



FRA Fire Risk Assessment – 5 simple step

1. Identify Fire Hazards
2. Identify People at Risk
3. Evaluate, Remove, Reduce and Protect from Risk
4. Record, Plan, Inform, Instruct and Train
5. Review and Update



FHIRADC

Fire Hazard Identification
Risk Assessment and
Determining Control



PREVENTION is ALWAYS the
KEY in Emergency Management

Effective fire prevention program
should be able to prevent fire and
necessity to respond to fire



Know

FIRE HAZARDS

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Expert emphasize the role of leaders in raising awareness of safety and prevention

The need to maximize use of available resources in every neighborhood



To become

FIRE – RESILIENT

it has to **START**

with **INDIVIDUAL** at
home



PREVENTION – through **EDUCATION**

**frequent fire audits by Fire Engineers
/ Inspectors**



Public Awareness on “FIRE SAFETY”

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Those on the grounds

“KNOW WHAT TO DO”

it will reduce the risk of **Fire**
Spreading



Conduct Regular **FIRE DRILLS**

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BUILDING SAFETY AUDITS

an opportunity to
improve on any shortcomings

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**Everyone must learn basic
survival skills in**

FIRE



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Can MINIMIZE FIRE
RISKS and contain fire before
BOMBA arrival



PEOPLE - should **NOT** regard
FIRE SAFETY audits as a fault-
finding process



Maintenance **CULTURE**

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ENFORCE **FIRE REGULATIONS**

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WHAT IS TOTAL FIRE COVER

TOTAL FIRE COVER is a continuous strategic and tactical plan for the protection of life, property and the environment from the risk of fire by

ADOPTING THE 4'E PRINCIPLES

TFC = Fire Engineering x Fire Education x Fire Code Enforcement x Emergency Response

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WHAT IS FIRE ENGINEERING



Fire Engineering is the application of scientific and engineering principles, rules [Codes], and expert judgment, based on an understanding of the phenomena and effects of fire and of the reaction and behavior of people to fire, to protect people, property and the environment from the destructive effects of fire.

Institute Of Fire Engineers UK

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WHAT IS FIRE SAFETY EDUCATION



Fire Safety Education is a continuous education program for the community to create awareness on fire safety and to reduce the risk of fire affecting the community through an integrated means of;

- **Public Education**
- **Community participation**
- **Collaboration**



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COMMUNITY PARTICIPATION



Community participation is an alliance between the Sarawak Fire & Rescue Department and the City Community to build a fire resistance community through education, participation and collaboration to reduce the risk of fire affecting the community



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COMMUNITY PARTICIPATION



- Public Education
- Establishing Community & Volunteer Brigades
- Working Together With Community Leaders
- School Cadets, Scouts, & Girl Guides For Activity Badges
- Involving Ngo's & Other Emergency Services
- Fire Hydrant Adoption
- Affiliation With Professional Bodies
- Fire Kids Club

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WHAT IS FIRE CODE ENFORCEMENT



Fire Code enforcement is a mandated obligation under the **Fire Services Act 341, UBBL 1984 & SBO** for the Fire & Rescue Department to **ENFORCE BUILDING FIRE CODES & LEGISLATION** to building owners to comply with minimum fire safety requirements for the purpose of reducing the risk of harm by fire or incase of fire

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WHAT IS EMERGENCY RESPONSE



Emergency Response is a mandated obligation under the Fire Services Act 341 **Sec 5(1)** 'duties of the Fire Department' to protect persons and property from fire risk



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EMERGENCY RESPONSE



- Fire & Rescue Department (FRDM)
- Auxiliary Fire Brigades
- Volunteer Fire Brigades
- Certified Emergency Response Team (CERT)
- Community Fire Brigades



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INTEGRATING OUR STRENGTH, EXPERTISE & RESOURCES WITH THE COMMUNITY



We Integrate And Optimize Our 'Organizational Resources' Where It Is Reasonably Practicable With Our Community To Ensure Maximum Protection Of Life, Property And The Environment From The Risk Of Fire Or Any Other Expected Natural Calamities

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OUR SUCCESS IN STRATEGIC PARTNERSHIP



Leaders, Who Can
Find “Multiple
Opportunities” For
Increasing
Collaboration.

Serve. Lead. Inspire

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A TOTAL FIRE COVER BECOMES A REALITY IF.....



The Fire & Rescue Personnel's are absolutely committed to enforce its legal obligations .The Citizens Are Responsible; Owners of Buildings, Infrastructure, Essential And Critical Facilities comply wholeheartedly to relevant Codes & Standards

..Joined efforts of various stakeholders

KHIRUDIN DRAHMAN

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OUR ARCHIEVEMENTS



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State Bomba to scale new heights with more auxiliary firefighters, Bomba community

October 29, 2018



Khirudin (front) with state Bomba assistant director for operations Tiong Ling Hii and Bomba zone 4 chief Misra Bisara (second row) with 32 auxiliary firefighters under the certification series 1/2018.



VOLUNTEER FIRE BRIGADE

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BOMBA SUKARELA DARO CEKAL PADAM KEBAKARAN



KERJA KERAS: Kelihatan beberapa anggota bomba memastikan sisa-sisa kebakaran di Kampung Pancho, Daro dipadamkan sepenuhnya.



SIASAT: Anggota bomba melakukan siasatan terhadap kebakaran di Kampung Tanjung Belipat, Niah.

MUKAH: Ketiadaan Balai Bomba dan Penyelamat di Daro tidak mematahkan semangat 15 anggota Pasukan Bomba Sukarela (PBS) Daro untuk memadam kebakaran sebuah rumah di Kampung Pancho sekitar 4.05 pagi semalam.

Sebaliknya, dengan kelengkapan yang dimiliki, mereka bekerja keras untuk mengawal kebakaran berkenaan mengikut latihan yang diberikan kepada mereka sebelum ini.

Menurut Pusat Gerakan Operasi Jabatan Bomba dan Penyelamat Negeri Sarawak, terdapat seorang penghuni di rumah ketika kejadian berlaku, namun beliau berjaya menyelamatkan diri.

"Kebakaran melibatkan sebuah rumah jenis tidak kekal bersaiz 50 kaki x 27 kaki terbakar 100 peratus,"

menurutnya.

Kesemua 15 anggota PBS sedaya upaya mengawal kebakaran agar tidak merebak ke rumah berhampiran.

Kebakaran berjaya dikawal sepenuhnya pada jam 5.30 pagi sebelum ketibaan anggota Bomba dan Penyelamat Mukah.

Jarak Balai Bomba dan Penyelamat Mukah dari Daro adalah sekitar dua jam perjalanan dan turut menggunakan perkhidmatan sebuah feri.

Sementara itu di Miri, enam sekeluarga hilang tempat berteduh selepas rumah sewa didiami mereka sejak tiga tahun lalu musnah dalam kebakaran di Kampung Tanjung Belipat, Niah lewat petang kelmarin.

Rumah tersebut dihuni sepasang

suami isteri masing-masing berusia 37 dan 36 tahun berserta empat anak lelaki berusia 12 hingga 17 tahun.

Ketua Jabatan Bomba dan Penyelamat Malaysia (JBPM) Zon Enam Penguasa Kanan Bomba I (PgKB I) Law Poh Kiong berkata, pihaknya menerima panggilan kecemasan mengenai kebakaran tersebut pada jam 6.06 petang.

"Kebakaran melibatkan sebuah rumah kampung bersaiz 40 x 40 kaki terbakar 100 peratus.

"Terdapat enam penghuni terdiri daripada lima lelaki dan seorang wanita berjaya menyelamatkan diri dan tidak terlibat sebarang kecederaan," katanya dalam satu kenyataan media di semalam.

Enam anggota bomba dari

Balai Bomba (BBP) Miri dik Bomba Kanan Jam telah ditu pepadaman.

"Lokasi keja masa hampir Miri. Setibany 7 malam, ang menjalankan menggunakan mengawal ke merebak ke ru

"Kebakaran sepenuhnya d dibantu oleh P Sukarela (PB 7.15 malam,"

Punca keba rumah berusia masih dalam





EMERGENCY RESPONSE TEAM (ERT)

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New Sarawak Bomba chief wants to fight fire with 'education'

October 1, 2018



Khirudin inspecting his personnel during an assembly at the state Bomba headquarters in Kuching.

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3K CHILDREN FIRE CLUB



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FIRE CADET



雨季隨時水災 消拯局準備應戰

【本報古晉3日訊】砂拉越消防局與砂拉越災難管理委員會屬下的相關部門已做好準備，迎接年尾雨季時可能引發的水災，尤其是內陸長屋地區！

砂拉越消防局局長基魯丁今日出席學生消防員結業活動後受訪時，如是表示。

他表示，砂災難管理委員會各有關部門，如該局、社會福利局等經常與長屋的屋主保持緊密的聯繫及互動，包括深入長屋教導及培訓屋主關於水災的應急與防范措施，以便水災發生時，屋主可以扮演領導者的角色，發動居民疏散到安全的地區。

他有信心，根據過去的经验，以長屋與當局的共識和掌握的技能，內陸長屋居民能够应付雨季所引發的水災事件。

此外，他表示，該局也時刻更新数据库的资料，以部署足够的手，一旦水災發生時，可調動足够的手前往災區救災。

較早時，基魯丁在致詞中強調，學生消防員在拯救社區方面扮演重要的角色，希望完成此次培訓的學生消防員能在緊急時刻發生時，能臨危不亂地採取必要的行動，投入施救行列，拯救更多財物及生命。

他認為，培訓學生消防員旨在年輕一代能接班，挑起消防人員拯救生命與財物的社會的重任，否則消防員年老退休，沒有新血，他們也可能成為受害者。

據悉，此次結業的學生消防人員有60位，來自古晉省多間中學的學生。



砂拉越消防局局長基魯丁（左）為其中一名結業的學生消防人員戴上勳章。



全體結業的學生消防人員與主辦當局代表合影。

60學生消防員結業

THAD (CO. NO. 99029-M) Lot 1125, Section 66, Pending Industrial Estate, 93450 Kuching, Sarawak. Tel:082-485118

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Mohammad (seated centre) poses for a group photo with members of the organising committee and participants of the summer camp.

SUMMER CAMP

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FIRE HYDRANT ADOPTION SCHEME



RASMI: Unjar (kiri) dan Morris (empat kanan) menyempurnakan perasmian Program Teman Pili Bomba di BIF.

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FIRE CERTIFICATE



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OUTREACH PROGRAMME



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OUTREACH PROGRAMME



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OUTREACH PROGRAMME

NEW SARAWAK TRIBUNE • TUESDAY OCTOBER 30, 2018

7 • TribuneHome



Ma-JDN Bomba Chief Maureen Sim (left) with others agencies involved during the Petronas outreach programme after having just finished putting up a traffic light sign nearby SK Long Seidan in Marudi, recently.

MARUDI Bomba Chief Maureen Sim doing a demonstration on putting out a fire with one of the villagers during their recent visit to the villages.

Petronas holds outreach programme in five Penan villages, one Kelabit school

BY MARGARET RINGGIT

MIRI: 12 officers from four agencies recently visited five Penan villages and one Kelabit school within the Baram area during an outreach and fire point programme by Petronas.

The villages visited were Long Latel, Long Kerok, Long Kawa, Long Ludin, Long Seihong, and the school visited was SK Long Seidan.

Nearly 400 were present during the three-day programme which was held from October 23 to 25. The objective of the programme was to create and increase awareness on fire safety; as well as to instil in them the knowledge of what to do should a fire occur.

Six fire extinguishers were presented to Long Kawa village by Marudi Fire and Rescue Department (Bomba), represented by its Chief, Maureen Sim.



THE presentation of six fire

LANGKAH CEGAH KEBAKARAN

Pindaan undang-undang berkaitan pembinaan bangunan termasuk rumah panjang baharu dipertimbang.

Oleh Jessica Jawing

KUCHING: Kerajaan Sarawak mempertimbang untuk meminda undang-undang kecil berkaitan pembinaan bangunan termasuk rumah panjang baharu demi mencegah kebakaran.

Begaimanapun kata Ketua Menteri Datuk Patinggi Abang Johari Tun Openg, perkara itu perlu dikaji terutama maklum balas serta penerimaan masyarakat luar bandar iaitu penduduk rumah panjang.



TAHANIAH: Abang Johari menyampaikan sijil kepada ahli pasukan Bomba Komuniti yang menyertai program sambilan di kawasan Khirudin (kiri) dan Datuk Bandar Dewan Bandaraya Kuching Utara (DBKU) Datuk Abang Abdul Wahap Abang Juhai (kanan).

'RUMAH SEJAHTERAKU' PROGRAMME



Blast victim's dad to get new concrete house

KUCHING: Tchee Foh Hin, the father of Tchee Kian Jong - the 24-year-old killed during an explosion at CityONE Megamall in December, is expected to have a new concrete house by mid-April.

A concrete house on stilts with three bedrooms, living room, bathroom-toilet, kitchen, and car porch will be built on the 430-cubic metre plot of land he received a title for at Lorong 10A, Stampin Resettlement Scheme.

Deputy Minister of Domestic Trade and Consumer Affairs Chong Chieng Jen, who visited Tchee yesterday, said the house would be constructed voluntarily by Fire and Rescue Department (Bomba) personnel.

He said Bomba has already gotten blueprints from an architect.

"After the blast incident, we visited the house and found that it was in critical condition. At that time, we said we will try to help repair the house, but Tchee said the land was not his.

"Now that the Sarawak government has agreed to give the land for them to build his house, we've come up with the funds to build the house. So it is the cooperation between the state and federal government," Chong told reporters when visiting Tchee yesterday.

"Before the land title was issued to him yesterday (Wednesday), we have already liaised with Bomba, which has a programme to help the really poor and needy ones."

Chong said the house would be built on concrete stilts because of the condition of the land, which is quite low and would require a long time if earth filling works



Chong shows the blueprints to Tchee. Looking on from left are Pending assemblywoman Violet Yong, Khirudin, and Bomba Sarawak assistant director (fire operations and rescue division) Tiong Ling Hii. — Photo by Chimon Upon

were to be carried out. He said generous individuals have also donated construction materials.

"I can say that this house is built under a joint cooperation between Bomba, DAP, federal government, philanthropists, and the Sarawak government. I would like to thank Bomba for their readiness to help out in this situation," he said.

Chong said upon completion,

the house would be registered under Tchee's name.

Bomba Sarawak director Khirudin Drahman said the estimated cost for the construction materials is RM76,000 and promised the house would be a comfortable home for a family.

"Based on our programme, work on this project will begin on Feb 15 and we expect it to be fully completed within two months

from the day work begins.

"We are doing this project under the Rumah Sejahteraku programme. From our past experience, other agencies dealing with water and electricity will usually come in to help us under this kind of programme," he added.

Tchee and one of his sons are currently staying with relatives.



COMMUNITY PROGRAMME WITH MEDIA



perarakan Maulidur Kasul.
Gambar menunjukkan
Khirudin (tengah) bersama
rombongan perarakan
bersama-sama berarakan

■ ANGG
Penyelam
menjalank

FIRE & RESCUE DEPARTMENT SARAWAK



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Firemen to take a more proactive role

KL Fire Dept chief says they will share knowledge on fire prevention

By NATASHA JOIBI
natajoibi@thestar.com.my

THE Kuala Lumpur Fire and Rescue Department will exhaust all possible avenues to educate the public on the importance of fire prevention.

For the first time since its inception four years ago, 10 firefighters participated in the Discovery Recovery Institute Business Continuity Management Conference (DRI KL2016) held at the JW Marriott Hotel, Bukit Bintang.

Kuala Lumpur Fire and Rescue Department director Khirudin Drahan said the conference was an avenue for firefighters to share their knowledge on fire prevention with local and international participants.

"We want to change the mindset of the community. It is important that we look at our own engagement with the community as fire is indiscriminate. It can affect anyone, rich or poor.

"This is why a fire prevention pro-



gramme is important," he said.

Khirudin said firemen could no longer be reactive in fire prevention, and needed to aim for a more proactive approach.

"We used to be reactive. Only when there is fire, would we respond to the call.

"But we can no longer walk that path. We have to be proactive.

"I will try whatever avenue available to me, including policymaking, to minimise the impact of fire," said Khirudin.

Khirudin hoped to include other fire and rescue departments in upcoming DRI conferences.

Science, Technology and Innovation Minister Datuk Seri

(From left) Khirudin, DRI Malaysia programme director Carol Chia, Madius Tangau, DRI International executive director Chloe Demrovsky and CyberSecurity Malaysia chief executive officer Dr Amirudin Abdul Wahab during the opening ceremony of DRI KL Malaysia 2016.

Madius Tangau and CyberSecurity Malaysia (CSM) chief executive officer Dr Amirudin Abdul Wahab were also present at the conference.

DRI KL2016 gathers hundreds of DRI members and industry practitioners across the region to explore the subject of Business Continuity Management and Enterprise Risk Management.

DRI and CyberSecurity Malaysia has collaborated since 2011 to educate, those in the industry to build up a resilient business and living environment.

Watch the video
thestartv.com



Khirudin (left) with Hotel Maya general manager Danny Goh.

Fire safety talk for hotel employees

EDUCATING business operators on fire precaution and prevention is an ongoing effort by the Kuala Lumpur Fire and Rescue Department.

Its director Khirudin Drahan recently presented a talk tailor-made for those in the hotel industry. The session, titled "Total Fire Safety Through Active and Passive Protection for Hotel", was attended by employees from Hotel Maya Kuala Lumpur.

His talk included interesting slides and graphic illustrations on real-life cases that have occurred in hotels, locally and internationally.

Khirudin said it was important for employees to under-

stand precautions to take to prevent a fire as they have an important role in the eventuality of a fire.

He said by adopting precautionary and preventive measures, this could effectively reduce the number of fire cases and also lower the effects of fire while waiting for firemen to arrive during a critical situation.

He commended the hotel's Emergency Response Team (ERT) for being dedicated in their respective roles.

To ensure ERT members carry out their role effectively, the hotel's management has supported them by providing fire-fighting equipment, safety suits and encouraged ongoing fire drills.

Make safety our way of life



I HAVE been attending safety meetings, conferences, seminars and functions organised either by the Department of Occupational Safety and Health (DOSH) or the National Institute of Occupational Safety and Health (NIOSH) over the years and the organisers never fail to ensure that short and concise safety briefings are given to the participants and invited guests before the start of the functions.

The purpose of these briefings by the hotel or convention centre operators is to inform the participants, invitees and guests what to do and how to vacate the hall through the appropriate exit doors in the event of an emergency, like for example, when fire breaks out.

Such informative briefings are essential to overcome any panic which may lead to a stampede, resulting in injuries or even death.

As one who is passionate about safety, I wish to propose that such safety announcements or briefings be practised at all functions organised by both the public or private sectors involving a big number of participants in a confined area like the hall or banquet and function rooms.

This should also be applicable even for private functions like an association's anniversary celebration or even a wedding reception.

This will not require much effort. All the respective organisers need to do is to direct the hotels or convention centre, where the func-

Everyone should not only be aware of the importance of safety but also practise it daily and have it 'embedded' in our life.

tions are held, to provide the safety briefings.

Why should safety and emergency briefings be only given at DOSH or NIOSH-organised functions.

Are we not taking seriously the issue of safety and making it a way of life? Or should we demonstrate it only when functions are related to safety and health?

The time has come for all event organisers, either from the government or private sectors, to value safety, adopt good and essential practices to protect lives.

Everyone should not only be aware of the importance of safety but also practise it daily and have it "embedded" in our life.

In this way, we can proudly say that we have made safety our culture and our way of existence.

**TAN SRI LEE LAM THYE,
Kuala Lumpur.**



Make safety awareness core national culture

FOLLOWING a series of major earthquakes in recent years in our region, and with increased seismic activity, the Malaysian Meteorological Department recently explained how tremors affect Malaysians should major earthquakes occur near to our shores.

Although Malaysia is relatively free from quakes, we cannot ignore the fact that we have to brace ourselves to face any untoward incident arising from earthquakes that occur in neighbouring Indonesia, especially in Sumatra.

Although we are relatively safe in Peninsular Malaysia, in Sabah there are some active fault lines, and in 1976 there was a 5.8-magnitude earthquake in Lahad Datu.

Residents in Janda Baik and Bukit Tinggi in Peninsular Malaysia experienced the most number of tremors between 2007 and 2009.

Following the latest expert warning, the question that needs to be answered is: Are Malaysians fully prepared in the event of an emergency?

While on the one hand we need to put in place effective guidelines for earthquake-proof building designs, especially for critical structures such as dams, bridges and elevated transport systems, we also need to prepare the people to face any eventualities.

As one who is passionate about safety and is working towards promoting safety, my obser-

vations are that the majority of Malaysians are not prepared for any emergency in the event disaster strikes.

The fact is that Malaysia is regarded as a safe country, unlike others often hit by natural disasters like earthquakes, typhoons, volcanic eruptions, tsunamis, and etc.

As such, Malaysians are generally placed in a comfort zone compared with countries like Japan, Korea, and etc whose people are in a constant state of alert. As such, the existence of a lackadaisical attitude towards safety is not surprising.

A case in point is the matter raised by the Director-General of the Fire and Rescue Department pertaining to the lack of a sense of urgency involving occupants of commercial buildings, airports and train stations each time fire and safety drills are carried out.

Occupants of the buildings are supposed to be out of the premises in about 30 minutes, but in Malaysia many take their own sweet time to vacate the premises, with some still making telephone calls or taking time to finish their drinks.

Awareness of Malaysians concerning emergency drills is low compared with countries like Japan or Korea.

Participating in a safety and rescue drill or any other form of drill is very important, and all

those affected must have a sense of urgency as it is a matter of life or death.

I believe there are buildings in Malaysia where the management may not have staged any fire and safety drill. It is time for the parties involved to look into this matter seriously and act to rectify the situation.

Organising safety and fire drills in respect of all buildings must be done annually to prepare Malaysians to cope with a fire or any other emergency.

Drilling safety into Malaysians must be a way of life, and be made into a core value and a culture in our country.

Malaysians who have a lackadaisical attitude towards safety must not only change their mentality but be also prepared to change the mentality of others, too.

We must never be under the assumption that Malaysia is forever safe from natural disasters. We had our fair share in the 2008 tsunami. With the global climatic change, we may encounter some natural disasters in the future.

As such, Malaysians must take an active interest in all forms of safety drills and learn some useful lessons which are beneficial and to prepare for the worst in the event of a disaster.

TAN SRI LEE LAM THYE,
Kuala Lumpur.

Nipping the **fire** at the source

Teaching the young to embrace fire safety culture

By **BAVANI M**
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THE majority of Malaysian households are lacking in a very basic safety feature the fire extinguisher.

According to the Kuala Lumpur Fire and Rescue Department, less than 20% of homes in Kuala Lumpur have a fire extinguisher.

The households that are well equipped with fire safety gear are usually the expatriate community who are aware of the need.

"We want to educate Malaysians and get them to embrace the fire safety culture the same way," said Kuala Lumpur Fire and Rescue Department director Khirudin Drahan.

The department is hoping to address the lack of fire extinguishers in residential properties in the city through education and creating awareness on the importance of fire safety including the need to have a fire extinguisher in every home.

Khirudin said the department aimed to improve the statistics and

make every home safer from fire.

"In some countries, the law requires each household to keep a fire extinguisher handy. We do not have such laws here but the public need to realise that it is a basic necessity to keep a fire extinguisher at home and one for the car too," he said.

"People should not take this matter for granted," he said. "We want people to change their way of thinking and reacting in cases of emergency."

"We are working towards creating a fire safety culture amongst youngsters, especially young children who are vulnerable during an emergency situation and panic easily," he added.

Khirudin said it was important to teach children when they were young on how to react during a fire, so that they could be trained to prevent a fire.

"This safety culture must be drilled into their mindset so that it becomes a habit that they will practise with their children later," he said, adding that he kept a fire extinguisher in his house kitchen



Early education: Khirudin showing a children's book on fire safety.

and another in the living room.

The fire chief said that 90% of the time, fire disasters are the result of the 3Ls — *lalai, leka and lupa* (carelessness, negligence and forgetfulness).

He added that the department was constantly running fire prevention awareness campaigns to educate people on what to do when

a fire broke out.

The department has also formed a children's fire safety club (Kelab 3 K) in several kindergartens in Kuala Lumpur to educate children on safety precautions.

Another programme is the Fire Department Community Friends project in residential areas to create awareness on fire safety.

"The response is good. The positive result is evident in some incidences recently where the houseowner had managed to put out the fire by the time firemen arrived."

"This shows that our programmes are working and we just have to keep creating awareness until the culture is imbued in our community," he said.

Bantu tingkat kesedaran cegah kebakaran



KHIRUDIN DRAHMAN

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LAWAN sikap 3L iaitu lupa, leka dan lalai melalui tindakan 3L yang terdiri daripada lawan, lari dan lapor. Elemen 3L VS 3L yang diperkenalkan Pengarah Jabatan Bomba dan Penyelamat Malaysia (JBPM) Kuala Lumpur, **Khirudin Drahan** dalam mencegah kebakaran sejak menerajui jabatan itu pada 2011 terbukti berjaya mengurangkan kerosakan atau kerugian dihadapi mangsa.

Malah melalui pelaksanaan itu juga, pihaknya berjaya membendung kemalangan jiwa daripada terus meningkat. Selain daripada mesej 3L yang sering kali diketengahkan dalam kempen kesedaran bersama masyarakat, pelan transformasi yang dilaksanakan dalam kalangan pegawai dan anggota bomba di Kuala Lumpur juga banyak membantu menambah baik perkhidmatan kepada warga bandar raya.

Menurut Khirudin, pemacu utama transformasi yang diutarakan adalah pembangunan modal insan dan penjenamaan personaliti berasaskan kompetensi.

Ujarnya, selepas perkara utama itu berjaya dilakukan, langkah seterusnya yang



KHIRUDIN DRAHMAN berpendapat alat pemadam api bersaiz kecil ini perlu ada pada setiap buah rumah.

perlu dibangunkan adalah mengkomunikasikan perkhidmatan kebomba supaya masyarakat tahu tugas bomba, sekali gus sedar tanggungjawab yang perlu mereka lakukan ketika berhadapan dengan bencana.

“Transformasi ketiga adalah melalui pelaksanaan pelan, dan pelan integriti secara menyeluruh di setiap peringkat jawatan serta pangkat warga Bomba Kuala Lumpur.

“Kesemua warga JBPM Kuala Lumpur yang berada di ibu pejabat mahupun bertugas di 17 balai sekitar perlu memahami dan mengikuti pelan yang disediakan ini,” katanya ketika

ditemui *Mega Wira* di Ibu Pejabat JBPM Kuala Lumpur di ibu kota baru-baru ini.

Khirudin memberitahu, sejak pelaksanaan elemen 3L dan penjenamaan semula di jabatan itu, kadar kerugian yang dialami mangsa menurun kira-kira 50 peratus iaitu RM60.9 juta bagi tahun 2014 kepada RM50.4 iaitu pada 2015.

Jelasnya, bilangan angka kematian juga mencatatkan penurunan daripada enam orang kepada tiga orang pada tahun lalu.

Ekoran daripada kejayaan itu, Khirudin diminta untuk berkongsi langkah dan teknik yang diguna pakai dalam memastikan kadar kemalangan

jiwa serta kerugian mangsa menurun ketika Persidangan Antarabangsa DRI dan Anugerah Kecemerlangan yang bertajuk “Strategi dan *Bantuan Sokongan*” pada 23 dan 24 Ogos lalu.

Ujarnya, penekanan terhadap kerjasama antara bomba dan komuniti amat penting justeru **Bantuan Bomba Komuniti** diwujudkan di setiap kawasan kejiranan.

“Bagi tahun lalu, sebanyak 41 kumpulan dengan keanggotaan sebanyak 1,230 orang. Sukarelawan bomba juga ditingkatkan dari 60 anggota kepada 260 anggota, manakala 997 orang kepada 7,927 orang bagi temam pili bomba,” jelasnya.

TRIVIA

- 17 Balai Bomba dan Penyelamat di Kuala Lumpur
- Pentadbiran terbahagi kepada enam bahagian iaitu Bahagian Operasi Kebombaanan Dan Penyelamatan, Bahagian Keselamatan Kebakaran, Bahagian Penyiasatan Kebakaran, Bahagian Latihan, Bahagian Pengurusan dan Bahagian Kejuruteraan
- Berjaya menurunkan kadar kerugian mangsa dari RM60.9 juta (2014) kepada RM50.4 juta (2015).

KHIRUDIN DRAHMAN (dua dari kanan) bersama beberapa pegawai dan anggota JBPM KL



KHIRUDIN DRAHMAN menunjukkan pelan transformasi yang menjadi pemacu jabatannya.



**Every House
MUST HAVE**

FIRE EXTINGUISHER

&

SMOKE DETECTOR



BE READY.....

FIRE & RESCUE DEPARTMENT SARAWAK



“Know Your ENEMY
Know Your SELF
Know Your TERRAINS
VICTORY belong to you”

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Your Achievement



You Are the
CHAMPION!!!

Keep Safe and
Stay Safe

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TENKU



Meroy

KJA ORA

ASANTE

SPASEEBA

THANK YOU

SHAY-SHAY

MAHADSANJD

FIRE & RESCUE DEPARTMENT SARAWAK

TERJMA KASJH

SALAMAT

MATONDO

AREEGAHTOH

NGJYABONGA

DANYAVAD

GRACIAS

TANKJEWOL