

UMT MARINE NATURAL RESEARCH STATION PULAU BIDONG

Universiti Malaysia Terengganu
UMT

UMT Natural Research Station



UMT MARINE
NATURAL RESEARCH STATION
PULAU BIDONG



UMT TURTLE
NATURAL RESEARCH STATION
CHAGAR HUTANG

Centre of Research and Field Service (CRaFS)

Purpose:-

- To provide comprehensive facilities to support teaching and learning, research, university income generation and university social responsibility activities.

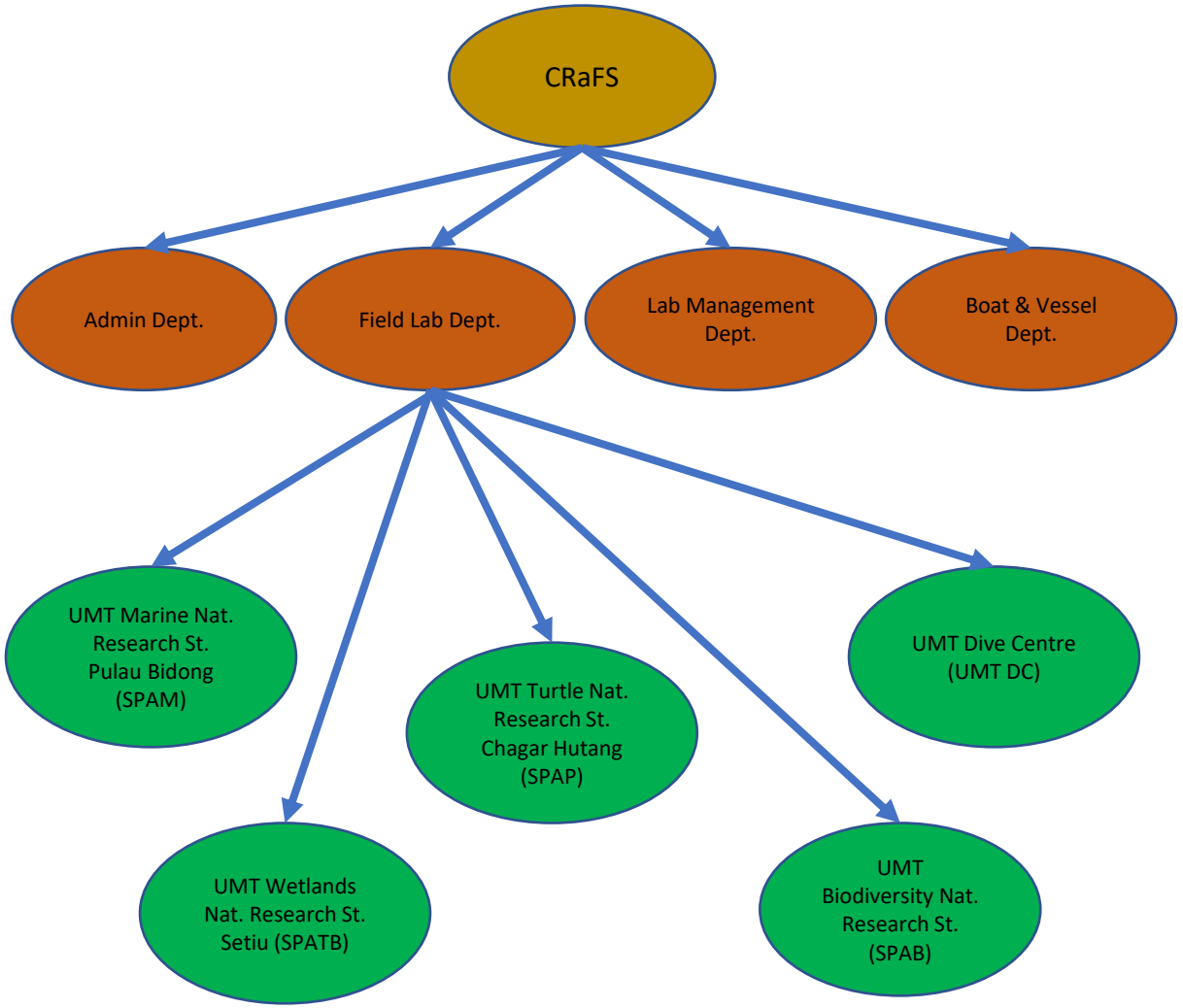


UMT WETLANDS
NATURAL RESEARCH STATION
SETIU



UMT BIODIVERSITY
NATURAL RESEARCH STATION
KENYIR

Management and Administration





BORHANUDIN MOHD YUSOF @ MOHAMED
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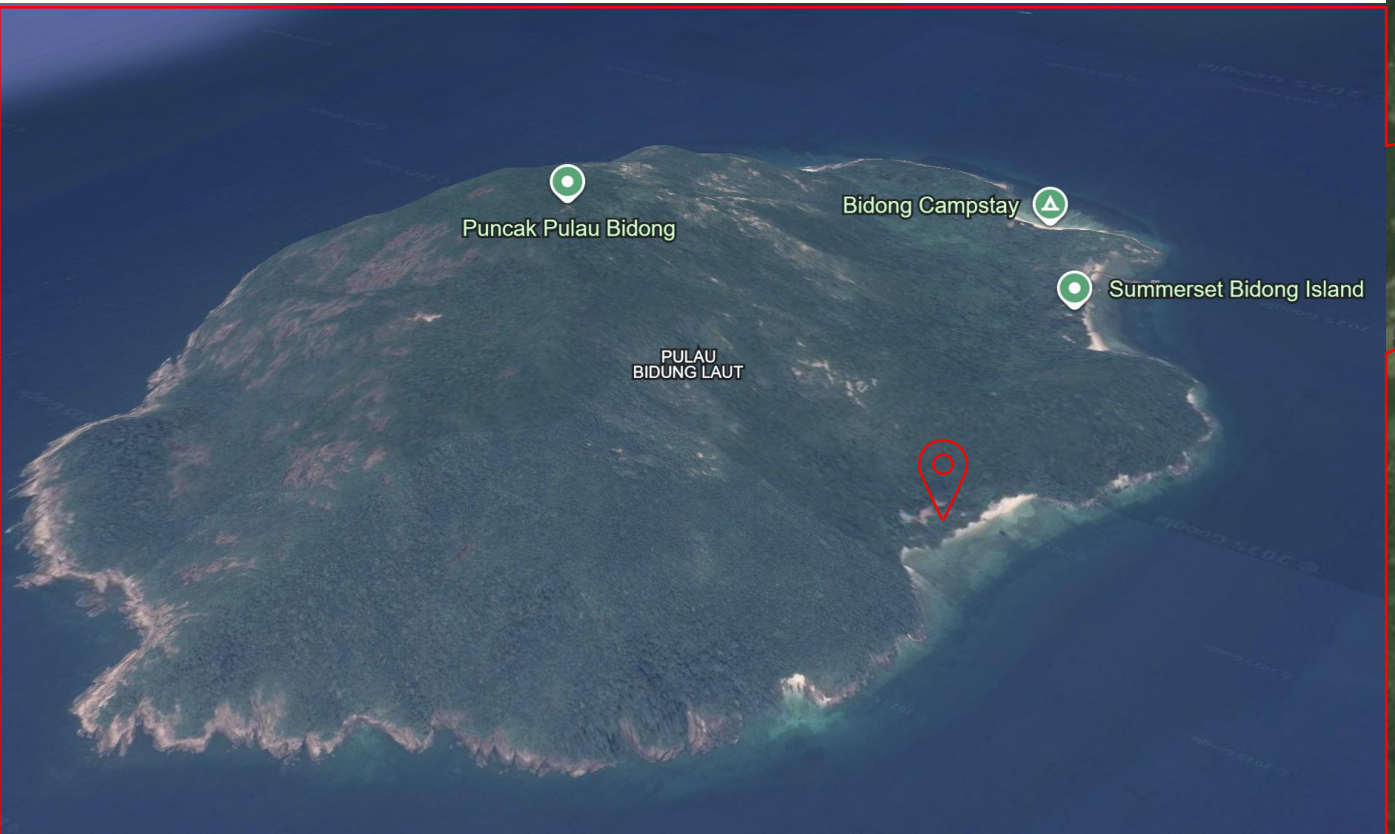
Ts. FATHY KAMEEL BIN MOHD. FADZIL
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(Chief Section)
Tel. No: 09-6683547 email: fathy@umt.edu.my

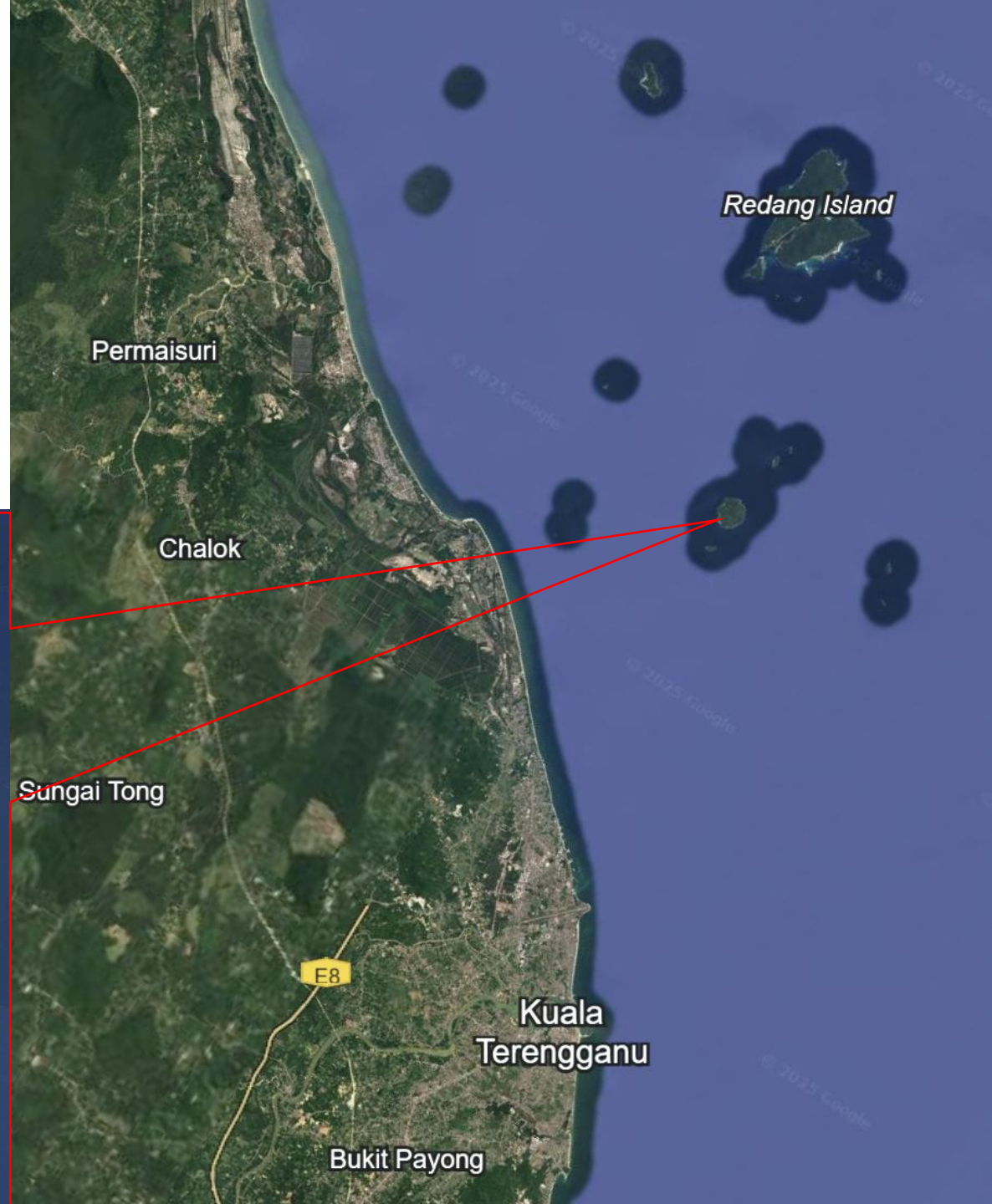


AHMAD NAZILA ALI
(UMT Marine Nat. Research St. Pulau Bidong
(Assistant Chief Section)
Tel. No: 096683397 email: ahmadnazila@umt.edu.my

Location of UMT Marine Natural Research Station Pulau Bidong

- **Coordinate:**
  - **5°37'15"N 103°03'27"E**
- **Land area:**
  - **2 hectare**
  - **Lot 284**
- **Access:**
  - **Merang Jetty: 15 – 20 min**
  - **Kuala Terengganu: 45 min – 1 hour**
  - **Pulau Redang:15 – 20 min**







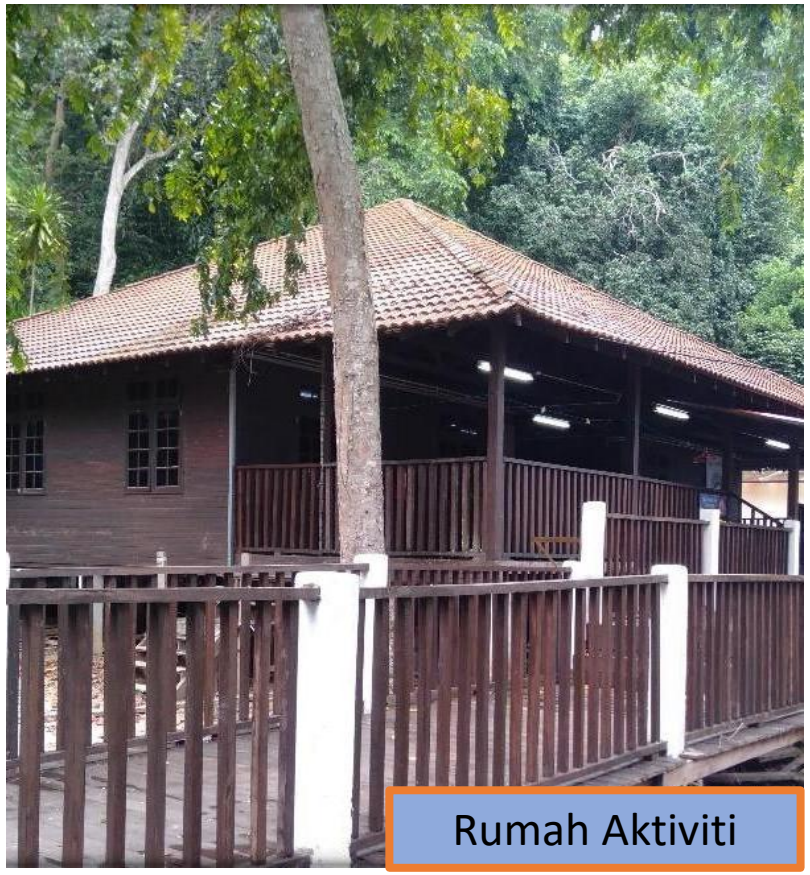
PULAU BIDONG

- Located at the South China Sea ± 8 nautical miles from east of Merang beach
- Total area of ± 231-hectare
- According to locals, Pulau Bidong or known as Bidong Laut has twin which is situated at a hill on the mainland of Lembah Bidong known as Bidong Darat
- Some of the nearby island near Pulau Bidong are Pulau Karah, Pulau Yu Besar, Pulau Yu Kecil, Pulau Geluk and Pulau Tengkorak
- Established as Refugees' camp for Vietnamese people that is known as “Orang Hanyut Vietnam (OHV)”in the year of 1978-1991
- Declared as OHV Placement Centres, there are about 252,390 refugees living on the island
- handed back to the State Government on the 30 November 1991
- Terengganu Museum has been assigned by the State Government of Terengganu to monitor Pulau Bidong

The Facilities

- Able to accommodate 70 up to 100 users at one time
- Generator powered
- Fresh water source
  - Tube well
  - Spring water
- Dive centre





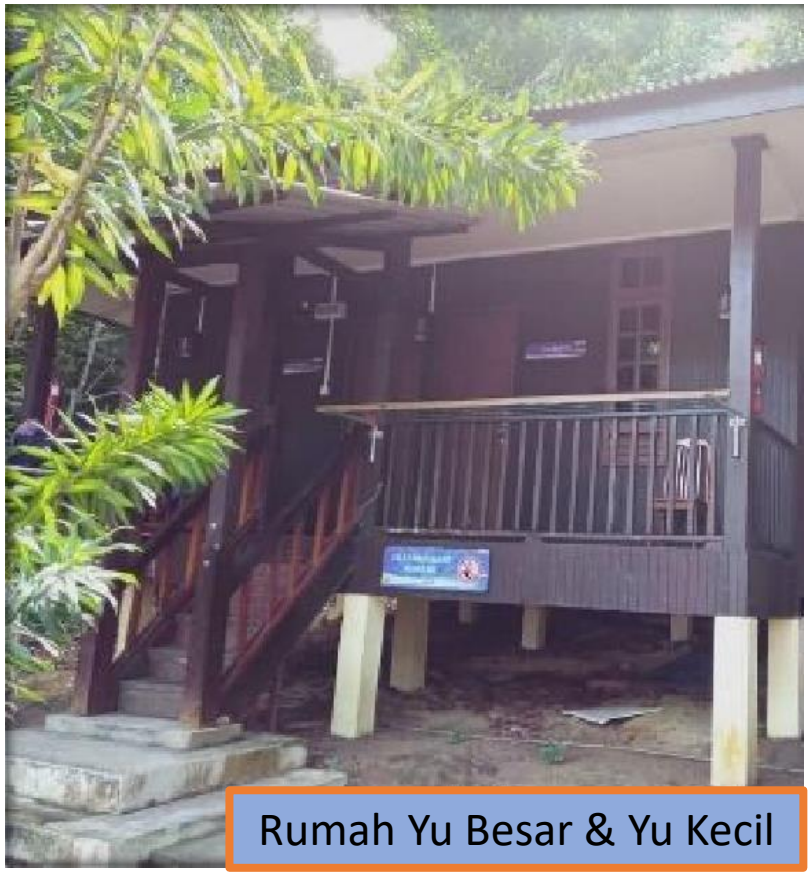
Rumah Aktiviti



Rumah Bidong



Rumah Geluk



Rumah Yu Besar & Yu Kecil



Rumah Karah

The Facilities - Accomodation

The Facilities – Halls & Others



Main Hall



Dining Hall



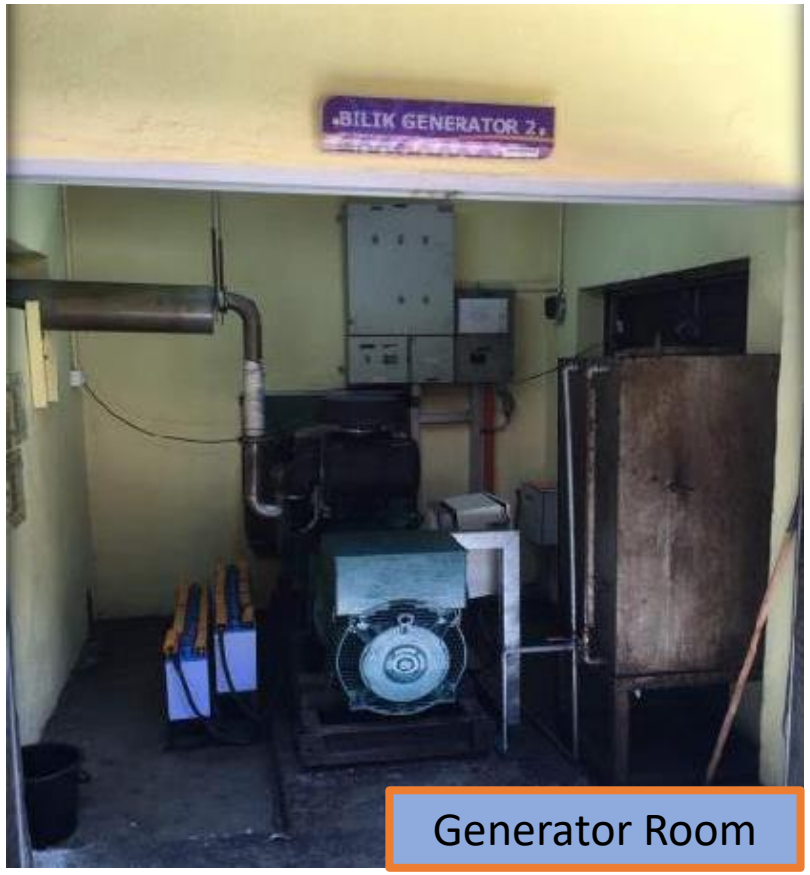
UMT Dive Centre (Pulau Bidong)



UMT Dive Centre (Campus)



Assembly area

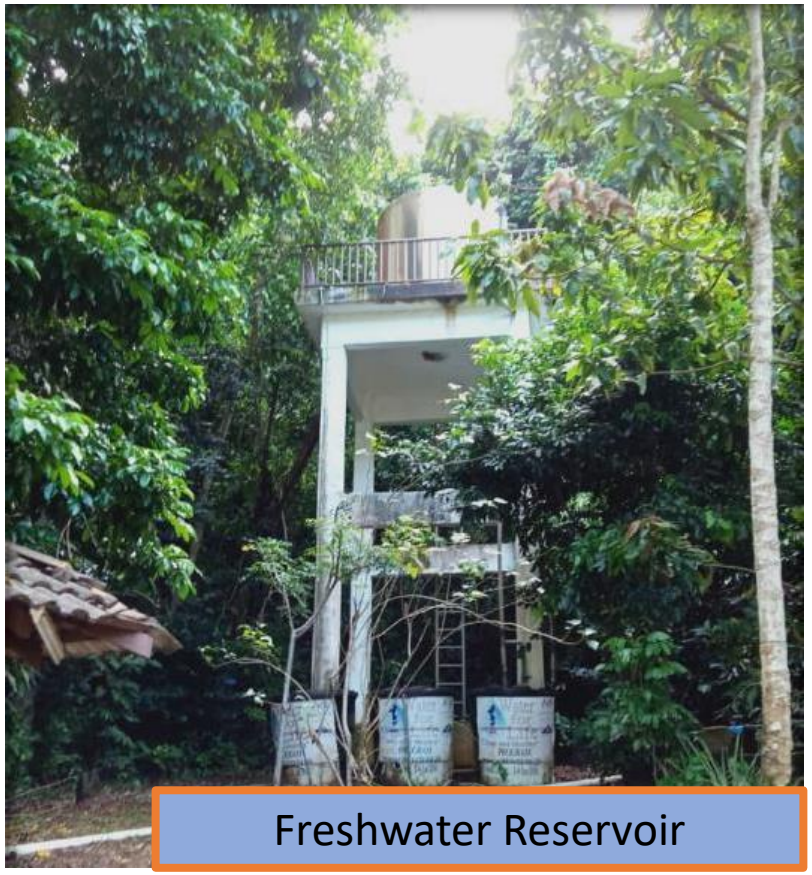


Generator Room



Toilet





Freshwater Reservoir



Wash Room

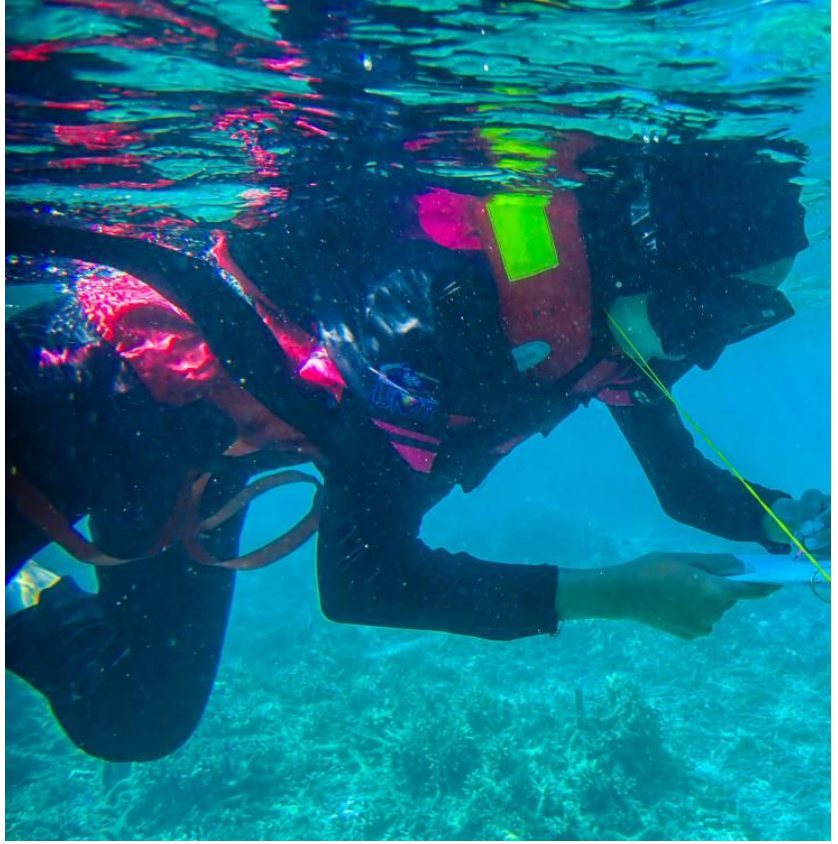
The Facilities – Water & Power Supply





Scuba Diving Equipment







Activities – Teaching and Learning

- Field work
- Final Year Project







Activities – Research

- Underwater Archaeology
- Coral spawning/ restoration/ mapping
- Fisheries
- Seismic studies
- Ecology and biodiversity

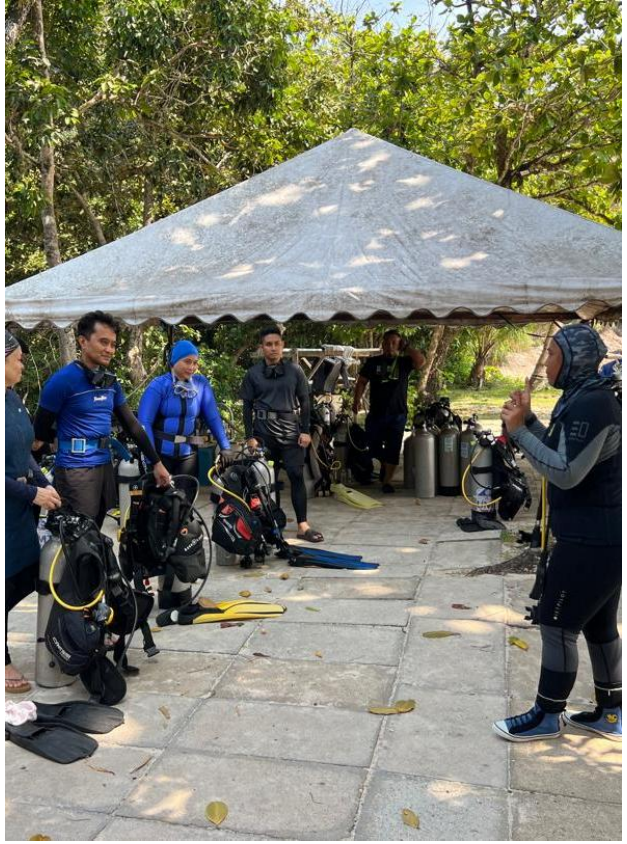
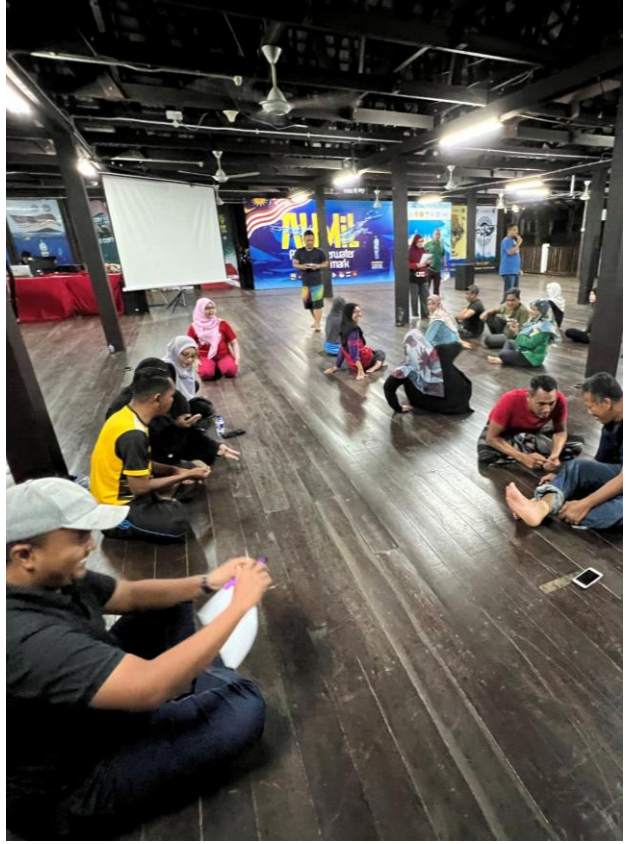




Activities – Inbound & Outbound Programme

- 'Tropical Coral Reefs: Monitoring & Management' Field course Heriot-Watt University
- Hong Kong University (HKU) Inbound Mobility Program
- National University of Singapore (NUS) Inbound Mobility Program
- Mie University Inbound Mobility Program
- National Taiwan Ocean University Inbound Mobility Program




Activities – Other Acyivities

- Team building
- Scuba Diving Licence
- Kayaking
- Jungle Trekking

RULE AND REGULATION

GENERAL RULE

- All the activities that will be carried out at the UMT Marine Natural Research Station, Pulau Bidong needs the approval from UMT (Centre of Research and Field Services) first before the activities could be carried out in Pulau Bidong.
- All visitor are submit to the rule and regulation as follows :

1. SAFETY RULES

-PROPERTY

- ❑ All visitors are responsible for all the equipment used
- ❑ Any damage to the equipment and UMT Marine Natural Research Station, Pulau Bidong property, must be reported immediately to the officer on duty
- ❑ UMT will not be responsible for any damage made or any loss of personal belonging

-PERSONAL

- ❑ Any problems faced by visitor must be reported to the officer on duty immediately
- ❑ All incidents that occurred on individual or group is under their own responsibilities

2. ACTIVITIES RULES

- ❑ Visitor must first obtain the approval from the officer on duty, before carrying out other activities than the activities that has been approved
- ❑ All visitor not allowed to disturb or take any life creature whether alive or dead (on land or in the water) except with permission
- ❑ All night activities must be carried out in a group
- ❑ Water activity can only be carried out from 7.00 am to 7.00 pm except, with the permission from the officer on duty
- ❑ Bonfire is totally forbidden
- ❑ Visitor must submit to all instructions written and shown from time to time

ACTIVITIES AND SAFETY MEASURES









- Research trip (non SCUBA)

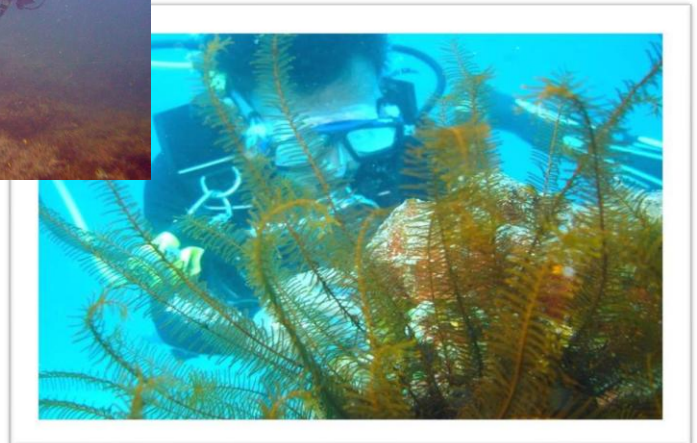
✓ Location for research by students from local and international because of the combination of land and water ecosystem in Pulau Bidong

✓ Safety rule :

  - Must be monitored by safety officer
  - Must be monitored by officer







- Research trip (SCUBA)

✓ Diving - offered colorful coral reefs and fishes that makes the island one of the most preferred spot for diver in Terengganu

✓ Safety rule :

  - Must be monitored by safety officer
  - Must be monitored by lab assistance

ACTIVITIES AND SAFETY MEASURES







- **Snorkeling**

✓ **Snorkeling provided less risk and equipment such as mask and snorkel**

✓ **Safety rule :**

- **Must be monitored by safety officer**









- **SCUBA license**

✓ **Many instructors choose Pulau Bidong as part of their SCUBA license compulsory dive**

✓ **Safety rule for a group of student, that has the maximum capacity of 12 student, the group must be monitored by:**

- **1 Instructor**
- **2 Dive master**

ACTIVITIES AND SAFETY MEASURES





- Jungle tracking

✓ Enjoy the fresh air and array of diversity of trees and wild animals that inhabit the forest

✓ Visit the Boatmen Memorial as an important history of Bidong Island

✓ Safety rule :

- Must be monitored by safety officer





CLEANLINESS

GENERAL

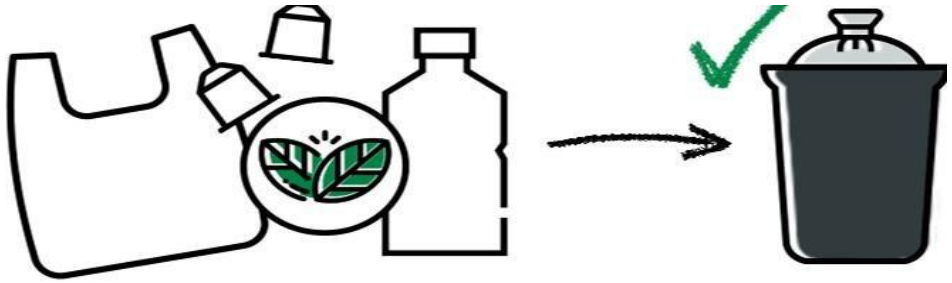
Station cleanliness is a responsibility by all visitors

FOOD WASTE

Food waste and waste that can be integrate in short time should be throw in the places provided.

WASTE MANAGEMENT

1. Garbage or any waste that is hard to integrate like glass, plastic, fiber etc. should be brought back to the mainland
2. Minimize detergent usage and only allowed at the provided area to take care of the coral reef health and the marine organisms
3. Any chemical waste should be handle properly in the area provided





Do & Don’t

DO’S

Throw rubbish into rubbish bins





Collect the rubbish around us



Only traditional fishing technique is allowed to catch fish around the island



Use detergent in minimum quantity because it can damage the coral by the reaction with ocean

This is because water pollution can reduce the light intensity that can affect the coral

Allowed to do these activities:

- SCUBA diving
- Snorkeling
- Underwater photography
- Swimming
- Jungle tracking





Do & Don’t



Divers are strictly not allowed to use spear gun or sling fishing around coastal area of research station



Do not collect or capture any marine organism dead or alive without any permission from the officer



Do not feed the fish



Do not kick, kneel, stand, step or anchoring on corals as this may damage them

Tips:

When near the corals area, point fins upwards and fin gently using the frog-kick style



SIDE VIEW



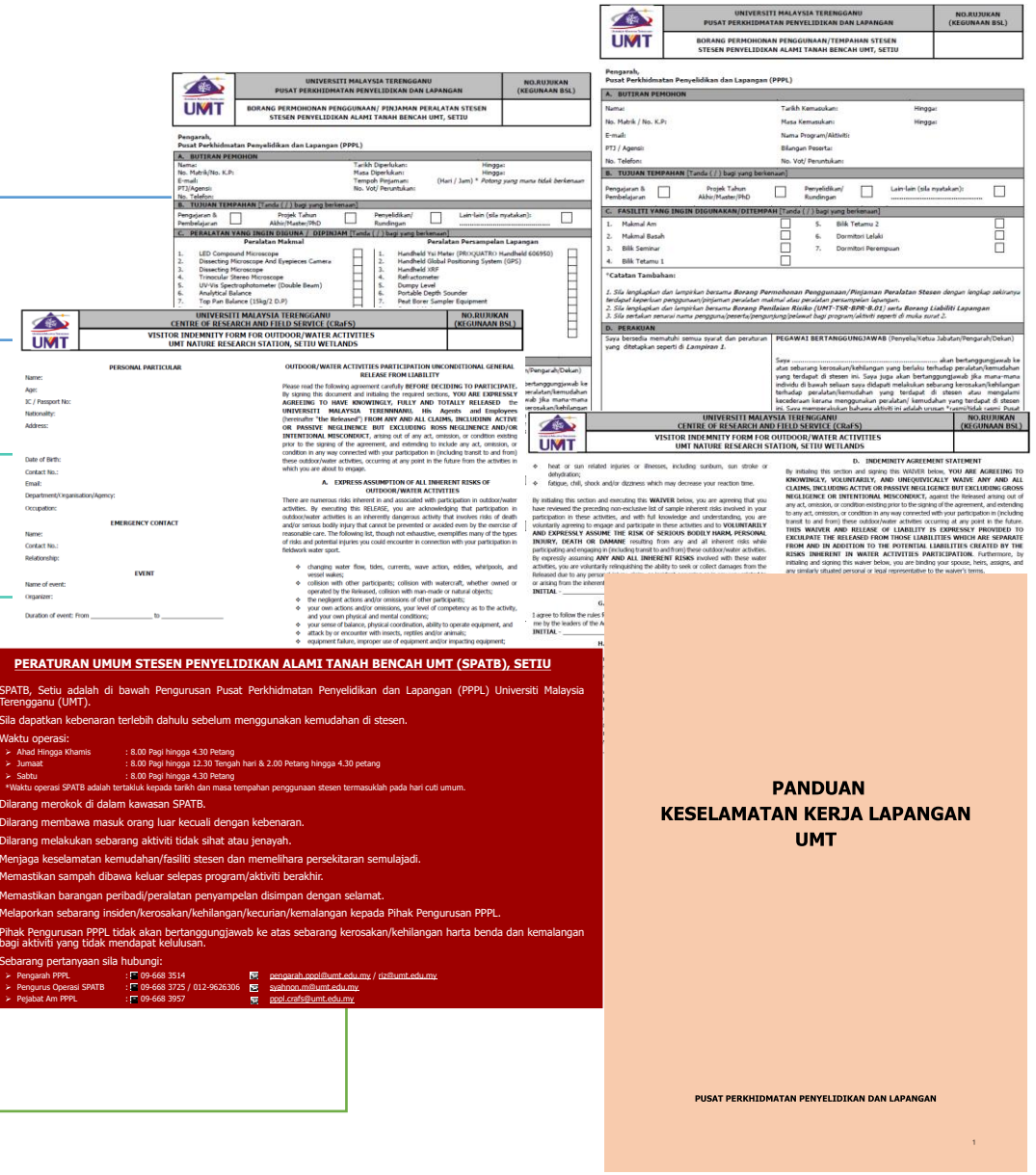
Regulations / Procedures/ Guidelines

Booking Procedure

Research Station General Regulation

Laboratory Regulation

Fieldwork Safety Guidelines



UNIVERSITI MALAYSIA TERENGGANU
PUSAT PERKHIDMATAN PENYELIDIKAN DAN LAPANGAN

BORANG PERMOHONAN PENGGUNAAN/ PINJAMAN PERALATAN STESEN
STESEN PENYELIDIKAN ALAMI TANAH BENCAH UMT, SETIU

UNIVERSITI MALAYSIA TERENGGANU
CENTRE OF RESEARCH AND FIELD SERVICE (CRaFS)

VISITOR INDEMNITY FORM FOR OUTDOOR/WATER ACTIVITIES
UMT NATURE RESEARCH STATION, SETIU WETLANDS

PERATURAN UMUM STESEN PENYELIDIKAN ALAMI TANAH BENCAH UMT (SPATB), SETIU

1. SPATB, Setiu adalah di bawah Pengurusan Pusat Perkhidmatan Penyelidikan dan Lapangan (PPPL) Universiti Malaysia Terengganu (UMT).
2. Sila dapatkan kebenaran terlebih dahulu sebelum menggunakan kemudahan di stesen.
3. Waktu operasi:
   - Ahad Hingga Khamis : 8.00 Pagi hingga 4.30 Petang
   - Jumaat : 8.00 Pagi hingga 12.30 Tengah hari & 2.00 Petang hingga 4.30 petang
   - Sabtu : 8.00 Pagi hingga 4.30 Petang

   *Waktu operasi SPATB adalah tertakluk kepada tarikh dan masa tempahan penggunaan stesen termasuklah pada hari cuti umum.
4. Dilarang merokok di dalam kawasan SPATB.
5. Dilarang membawa masuk orang luar kecuali dengan kebenaran.
6. Dilarang melakukan sebarang aktiviti tidak sihat atau jenayah.
7. Menjaga keselamatan kemudahan/fasiliti stesen dan memelihara persekitaran semulajadi.
8. Memastikan sampah dibawa keluar selepas program/aktiviti berakhir.
9. Memastikan barangan peribadi/peralatan penyampelan disimpan dengan selamat.
10. Melaporkan sebarang insiden/kerosakan/kehilangan/kecurian/kemalangan kepada Pihak Pengurusan PPPL.
11. Pihak Pengurusan PPPL tidak akan bertanggungjawab ke atas sebarang kerosakan/kehilangan harta benda dan kemalangan bagi aktiviti yang tidak mendapat kelulusan.
12. Sebarang pertanyaan sila hubungi:
    - Pengarah PPPL : 09-668 3514 : pengarah.pppl@umt.edu.my / piz@umt.edu.my
    - Pengurus Operasi SPATB : 09-668 3725 / 012-9626306 : ayahnon.m@umt.edu.my
    - Pejabat Am PPPL : 09-668 3957 : pppl.crafs@umt.edu.my

PANDUAN
KESELAMATAN KERJA LAPANGAN
UMT

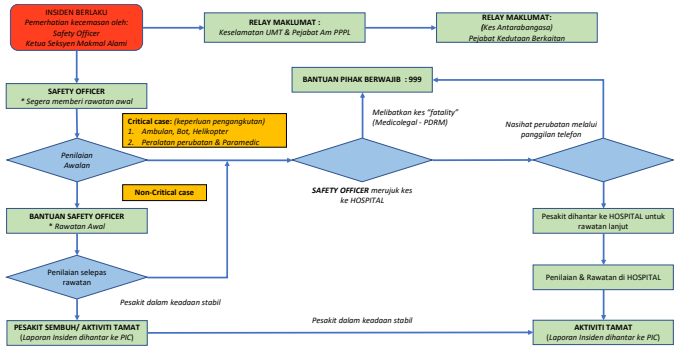
PUSAT PERKHIDMATAN PENYELIDIKAN DAN LAPANGAN

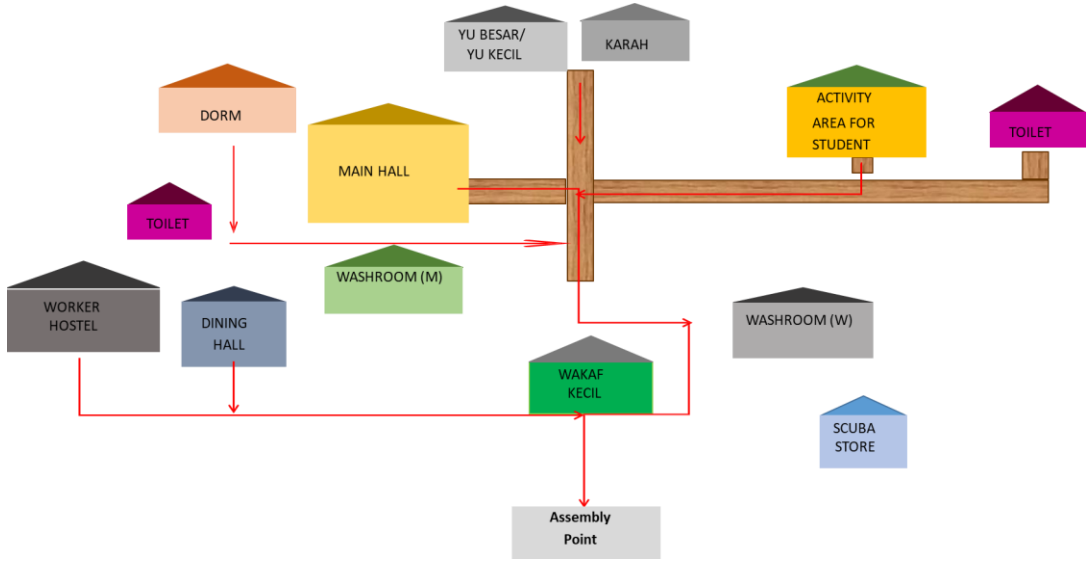
Safety Measures

Emergency Response Plan (ERP)

Emergency Escape Plan

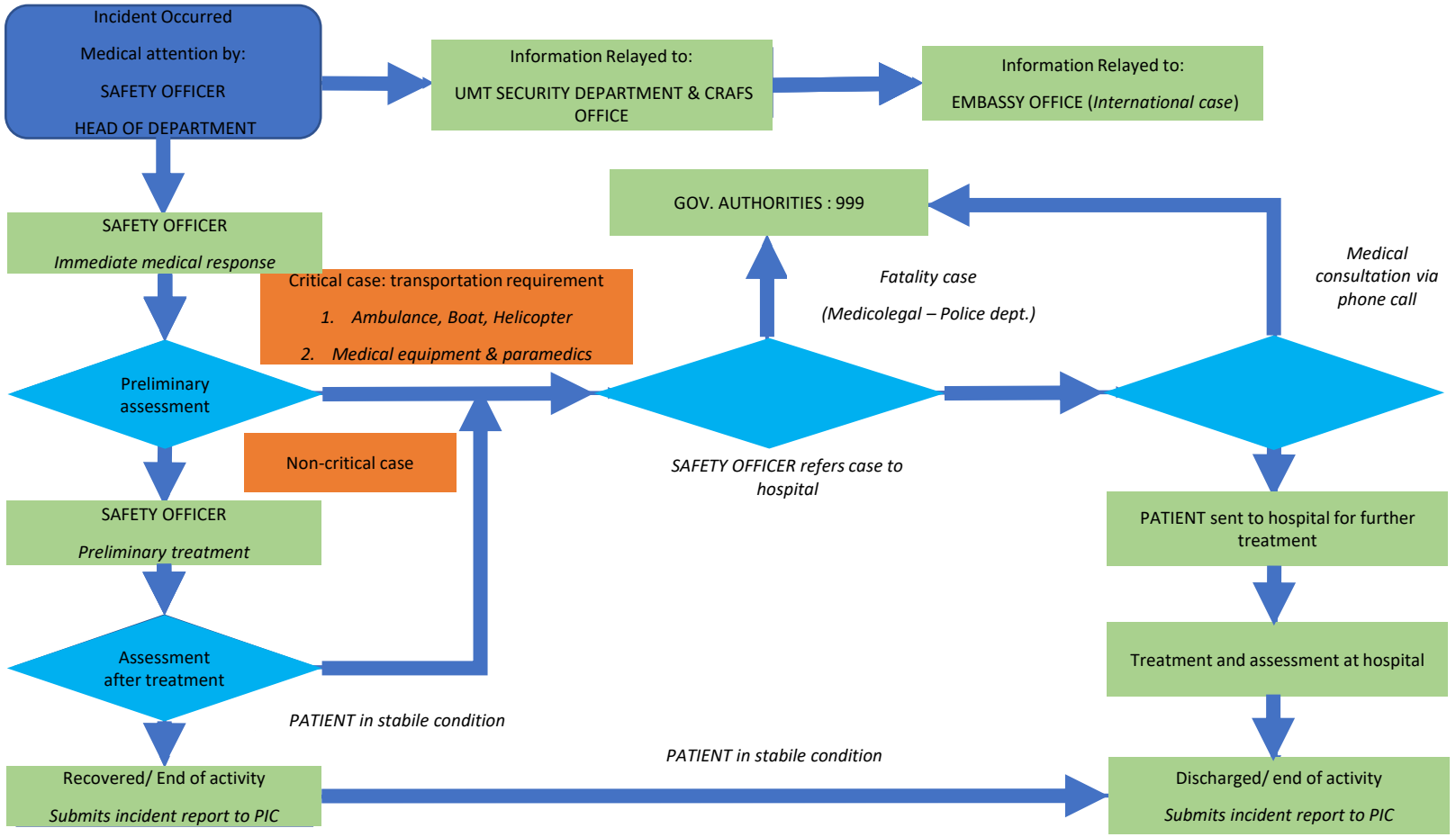
Emergency contact



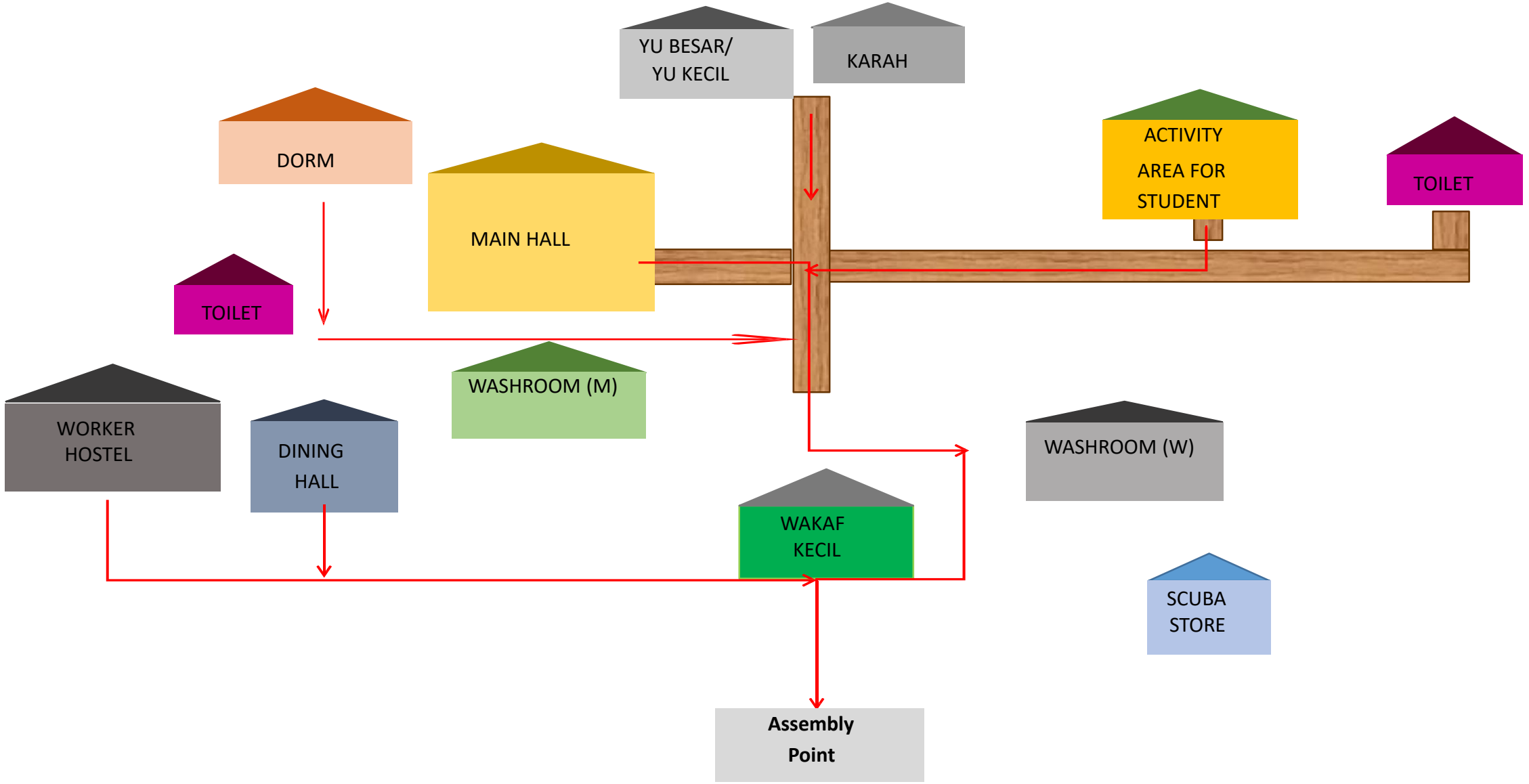


NAME	HOTLINE	DIRECT LINE	ADDRESS
	Police Hotline: 999	+609-609 8222 (24hours)	IPD Setiu, Jalan K.Bharu-K.Terengganu, Kampung Apek, 22100 Permaisuri, Terengganu.
		+609-602 2222 (24hours)	Balai Polis Penarik Jalan Penarik – Mangkuk, Kampung Penarik, 22120 Permaisuri, Terengganu
		+609-697 4222 (24hours)	Balai Polis Daerah Besut, Kuala Besut, 22300 Besut, Terengganu.
	Fire Brigade Hotline: 999	+609-609 0444 (24hours)	Balai Bomba Dan Penyelamat Setiu, 22100 Permaisuri, Terengganu.
		+609-690 4444 (24hours)	Balai Bomba Dan Penyelamat Jerteh, Kawasan seberang Jerteh, 22000 Jerteh, Terengganu.
	Ambulance Hotline: 999	+609-609 0333 (24hours)	Hospital Setiu, 22100 Permaisuri, Terengganu.
		+609-697 1130 (24hours)	Hospital Besut, Kampung Alor Keladi Jerteh, 22000 Besut, Terengganu.
	Civil Defence Hotline: 999	+609-629 1663 (24 Hours)	Pejabat Daerah Pertahanan Awam Setiu, Lot 8, Kuaters JKR, 23040 Guntong Luar, Terengganu
		+609-697 7846 (24 Hours)	Pejabat Daerah Pertahanan Awam Besut, Lot PT 344, 22000 Jerteh, Terengganu.

Emergency Response Plan (ERP)



Emergency Escape Plan



Emergency Contacts

Emergency contact list

Address	Phone No.
Hospital	
Setiu District Health Office	09-609 2394
Hospital Sultanah Nur Zahirah	09-622 1820
Civil Defence Force	
Pusat Kawalan Operasi APM Daerah Kuala Terengganu	09-6668246 09-6672991
Police Station	
Balai Polis Batu rakit	09-6696222
Balai Polis Kuala Terengganu	09-6223476
Balai Polis Pulau Redang	09-6307339
Fire and Rescue Department	
Balai Bomba dan Penyelamat Kuala Terengganu	09 – 623 4444
Balai Bomba dan Penyelamat Setiu	09- 609 0444

Rates

Bil.	Perkara	Kadar Sewaan Fasiliti (RM)							
		Per Pax				Per Unit			
		Warga UMT (selain PdP & Penyelidikan)		Bukan Warga UMT		Warga UMT (selain PdP & Penyelidikan)		Bukan Warga UMT	
		Kadar lama	Kadar baharu	Kadar lama	Kadar baharu	Kadar lama	Kadar baharu	Kadar lama	Kadar baharu
1.	Rumah Bidong	70.00/ hari	70.00/ hari	70.00/ hari	70.00/ hari	-	-	-	-
2.	Rumah Karah	70.00/ hari	70.00/ hari	70.00/ hari	70.00/ hari	-	-	-	-
3.	Rumah Geluk	70.00/ hari	70.00/ hari	70.00/ hari	70.00/ hari	-	-	-	-
4.	Rumah Aktiviti	70.00/ hari	70.00/ hari	70.00/ hari	70.00/ hari	-	-	-	-
5.	Rumah Yu Besar (Maksimum 2 orang)	-	-	-	-	-	150.00/ hari	-	200.00/ hari
6.	Rumah Yu Kecil (Maksimum 2 orang)	-	-	-	-	-	150.00/ hari	-	200.00/ hari
7.	Bot Discovery Bidong	-	-	-	-	-	800.00/ hari*	-	800.00/ hari*

**** tempoh sewaan adalah tamat pada jam 12.00 malam bagi setiap hari tempahan dan bermula jam 12.01 pagi sewaan akan dikira hari yang baru***

Jadual 2: Kadar baharu sewaan fasiliti di SPAM Pulau Bidong

FOR ENQUIRIES PLEASE CONTACT:

CRaFS Director

09-668 3514

pengarah.pppl@umt.edu.my

Chief Section

Ts. Fathy Kameel Bin Mohd Fadzil

09-668 3547 / 019-9458910

fathy@umt.edu.my

CRaFS General Office

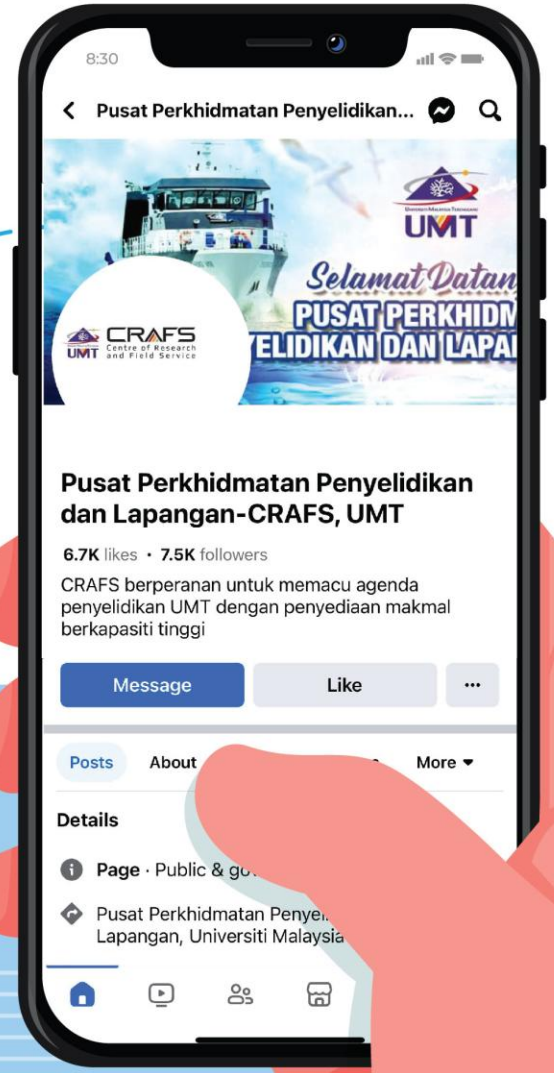
09-668 3957

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Thank You