



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

UNIVERSITI PUTRA MALAYSIA
AGRICULTURE • INNOVATION • LIFE

UNIVERSITI PUTRA MALAYSIA
AGRICULTURE • INNOVATION • LIFE

**MESYUARAT
KAJIAN SEMULA PENGURUSAN (MKSP)
ISO UPM 2018
(ISMS KALI KE 7 & EMS KALI KE 5)**

PADA 7 OGOS 2018 (SELASA)
JAM 2.30 PETANG DI BILIK MESYUARAT UTAMA FPSK

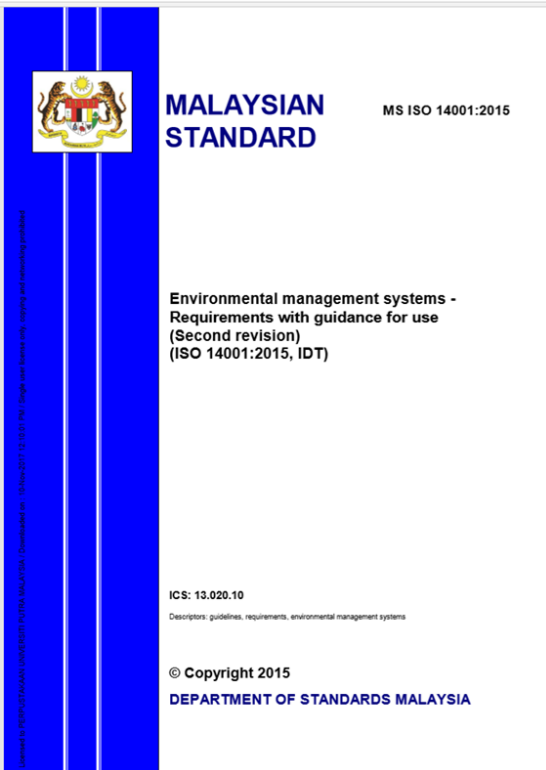
BERILMU BERBAKTI
WITH KNOWLEDGE WE SERVE

www.upm.edu.my

**AGENDA 8.2:
PENGURUSAN RISIKO
PENGURUSAN ALAM SEKITAR**

**LAPORAN TIMBALAN PENGARAH
PUSAT JAMINAN KUALITI**

..sebagaimana
keperluan
klausa 9.3,
input kajian
semula
pengurusan



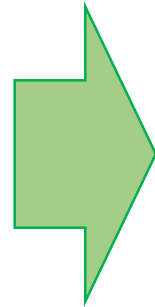
Management review

Top management shall review the organization's environmental management system, at planned intervals, to ensure its continuing suitability, adequacy and effectiveness.

The management review shall include consideration of:

- a) the status of actions from previous management reviews;
- b) changes in:
 - 1) external and internal issues that are relevant to the environmental management system;
 - 2) the needs and expectations of interested parties, including compliance obligations;
 - 3) its significant environmental aspects;
 - 4) risks and opportunities;
- c) the extent to which environmental objectives have been achieved;
- d) information on the organization's environmental performance, including trends in:
 - 1) nonconformities and corrective actions;
 - 2) monitoring and measurement results;
 - 3) fulfilment of its compliance obligations;
 - 4) audit results;
- e) adequacy of resources;
- f) relevant communication(s) from interested parties, including complaints;
- g) opportunities for continual improvement.

..sebagaimana
keperluan
klausu 6.1



6.1 Actions to address risks and opportunities

6.1.1 General

The organization shall establish, implement and maintain the process(es) needed to meet the requirements in [6.1.1](#) to [6.1.4](#).

When planning for the environmental management system, the organization shall consider:

- a) the issues referred to in [4.1](#);
- b) the requirements referred to in [4.2](#);
- c) the scope of its environmental management system;

and determine the risks and opportunities, related to its environmental aspects (see [6.1.2](#)), compliance obligations (see [6.1.3](#)) and other issues and requirements, identified in [4.1](#) and [4.2](#), that need to be addressed to:

- give assurance that the environmental management system can achieve its intended outcomes;
- prevent or reduce undesired effects, including the potential for external environmental conditions to affect the organization;
- achieve continual improvement.

Within the scope of the environmental management system, the organization shall determine potential emergency situations, including those that can have an environmental impact.

The organization shall maintain documented information of its:

- risks and opportunities that need to be addressed;
- process(es) needed in [6.1.1](#) to [6.1.4](#), to the extent necessary to have confidence they are carried out as planned.

Risiko dan peluang yang dikenalpasti :

- 1 Aspek Alam Sekitar** (rujuk Daftar Aspek Impak Alam Sekitar);
- 2 Undang-undang terpakai** (rujuk Senarai Undang-undang Alam Sekitar yang Terpakai);
- 3 Isu dalam dan luaran** (rujuk Daftar Aspek Impak Alam Sekitar); dan
- 4 Keperluan pihak berkepentingan** (rujuk Senarai Pihak Berkentingan Terhadap Pengurusan Alam Sekitar UPM)



6.1 Actions to address risks and opportunities

6.1.1 General

The organization shall establish, implement and maintain the process(es) needed to meet the requirements in [6.1.1](#) to [6.1.4](#).

When planning for the environmental management system, the organization shall consider:

- the issues referred to in [4.1](#);
- the requirements referred to in [4.2](#);
- the scope of its environmental management system;

and determine the risks and opportunities, related to its environmental aspects (see [6.1.2](#)), compliance obligations (see [6.1.3](#)) and other issues and requirements, identified in [4.1](#) and [4.2](#), that need to be addressed to:

- give assurance that the environmental management system can achieve its intended outcomes;
- prevent or reduce undesired effects, including the potential for external environmental conditions to affect the organization;
- achieve continual improvement.

Within the scope of the environmental management system, the organization shall determine potential emergency situations, including those that can have an environmental impact.

The organization shall maintain documented information of its:

- risks and opportunities that need to be addressed;
- process(es) needed in [6.1.1](#) to [6.1.4](#), to the extent necessary to have confidence they are carried out as planned.

Pelaksanaan Penilaian Risiko bagi aspek alam sekitar yang signifikan

Kenalpasti:

KETERUKAN

+

KEMUNGKINAN

=

TAHAP RISIKO:

1. Tinggi
2. Sederhana
3. Rendah



Kenalpasti **Strategi Tindakan** bagi aspek persekitaran/isu yang **bertahap tinggi dan sederhana** sahaja

1 Aspek Alam Sekitar (rujuk Daftar Aspek Impak Alam Sekitar)

Risiko dan peluang yang perlu dikenalpasti di bawah aspek alam sekitar **telah dikenalpasti** dan dinyatakan dalam Daftar Aspek Impak Alam Sekitar terkini

Kategori	No.	Aspek Persekitaran	Isu Dalam dan Isu Luar	Situasi		Impak						Penilaian Impak			SIGNIFIKAN (V / X)	Undang-Undang dan Keperluan Lain yang berkaitan	Kawalan sedia ada	Penilaian Risiko bagi aspek persekitaran Signifikan	Keberkesanan Tindakan							Peneraju Operasi	PTJ terlibat
				Normal	Tidak Normal/Keceemasan	Perencaman Udara	Perencaman Tanah	Perencaman Air	Perencaman Bunyi	Sabtu	Sumber Alam	Legal (V / X)	Kebarangkalan	Kerosakan					Keperluan	Keterangan	Kemungkinan	Tahap	Nilai	Terima/Toak/Pindah/Kurangkan/ Belum	Catatan		
Ternakan/ Binatang/ Tanaman	1	Aktiviti pembersihan menggunakan air di kandang/reban ternakan yang akan menghasilkan tinja (najis) dan sisa air	<u>Isu Dalam</u> 1. Sisa air masuk ke saluran/anak sungai. Air yang tercemar tidak dikawal. 2. Pemantauan BOD & COD sisa air yang masuk ke anak sungai dari kolam rawatan.	V	-	V	-	-	-	-	-	V	M	L	M	M	M	M	Strategi Tindakan (Tahap S dan T sahaja)	Keterangan	Kemungkinan	Tahap	Nilai	Terima/Toak/Pindah/Kurangkan/ Belum	Catatan	FSPM, Bintulu	FSPM, Bintulu
				V	-	-	V	-	-	-	V	M	M	M	Bagi mengurangkan pencemaran air tinja dikumpul dan dialihkan sebelum lantai kandang dicuci untuk dijadikan kompos sebelum melakuk...												

2 Undang-undang terpakai

(rujuk Senarai Undang-undang Alam Sekitar)

Risiko dan peluang yang perlu dikenalpasti di bawah Undang-Undang yang terpakai di UPM **akan disediakan** setelah 15 Undang-Undang yang terpakai di UPM **berkuatkuasa pada 16 Ogos 2018**. Pengenalpastian risiko dan peluang juga dibuat semasa **penilaian kepatuhan EMS**.

3 Isu dalam dan luaran

(rujuk Daftar Aspek Impak Alam Sekitar)

Risiko dan peluang yang perlu dikenalpasti di bawah Isu Dalam dan Luaran **telah dikenal pasti** dan dinyatakan **dalam Daftar Aspek Impak Alam Sekitar yang terkini**

4 Keperluan pihak berkepentingan

(rujuk Senarai Pihak Berkepentingan Terhadap Pengurusan Alam Sekitar UPM)

Risiko dan peluang yang perlu dikenalpasti di bawah keperluan pihak berkepentingan **dikenal pasti** oleh Peneraju Operasi dan Undang-Undang sebagaimana yang dinyatakan dalam **Senarai Pihak Berkepentingan Terhadap Pengurusan Alam Sekitar UPM**

Mesyuarat diminta mengambil perhatian:

1. Pengenalpastian risiko merupakan **agenda baharu** berasaskan keperluan standard baharu ISO 14001:2015;
2. Risiko dan peluang telah dikenalpasti berasaskan
 - i. **Aspek impak dan isu dalaman & luaran alam sekitar;**
 - ii. **Undang-undang terpakai;**
 - iii. **Keperluan pihak berkepentingan.**
3. Semakan berkala terhadap pengurusan risiko dan keberkesanan alam sekitar dicadang untuk dilaksana **2 kali/tahun**, dan perubahan akan direkod (sebagaimana QMS).