



# PENGURUSAN BUANGAN TERJADUAL

Disediakan Oleh :

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PENOLONG PEGAWAI KAWALAN ALAM SEKITAR

JABATAN ALAM SEKITAR NEGERI PERLIS

# DEFINISI BUANGAN TERJADUAL

## PPKAS (BT) 2005

Buangan yang tersenarai dalam  
Jadual Pertama

**JADUAL  
PERTAMA**

**77  
JENIS**

## JENIS BUANGAN

Terdapat 77 jenis buangan yang  
tersenarai dalam Jadual  
Pertama

## KUMPULAN

Ditentukan berasaskan punca/  
sumber buangan, sifat kimia dan  
fizikal, komposisi

**5**

**BENTUK**

## BENTUK BUANGAN

Pepejal, separuh pepejal,  
cecair, gas, wap) dilepaskan/  
dikeluarkan menyebabkan  
pencemaran

# CIRI-CIRI BUANGAN TERJADUAL



Mudah Terbakar



Menghakis



Beracun



Reaktif



Berjangkit

# KUMPULAN UTAMA BT



SW1

Buangan logam  
dan buangan  
berasaskan  
logam



SW2

Mengandungi  
juzuk tidak  
organik yg  
mungkin  
mengandungi  
logam & bahan  
organik



SW3

•Mengandungi  
juzuk organik yg  
mungkin  
mengandungi  
logam & bahan  
tidak organik



SW4

Mengandungi  
sama ada juzuk  
tidak organik  
atau organik



SW5

Buangan lain



# AKTA KUALITI ALAM SEKELILING 1974

SEKSYEN 34 B

Larangan Penempatan, Peletakan  
dsb Buangan terjadual -

Orang Yang Berwibawa  
CEPSWAM

SEKSYEN 49A

PERATURAN-PERATURAN KUALITI ALAM  
SEKELILING (BUANGAN TERJADUAL) 2005

Dikuatkuasakan pada  
15 Ogos 2005

# Ringkasan PPKAS(BT) 2005



# PERATURAN

# 3 PEMBERITAHUAN

Dalam masa 30 hari dari tarikh pengeluaran BT, kategori dan kuantiti

Termasuk maklumat seperti di Jadual Kedua

The screenshot shows the eSWIS website interface. At the top, there is a navigation menu with links: Home, DOE Portal, Support List, Waste List, and Facility List. The main content area features a large image of hands holding soil with a small green plant growing from it. Below the image, the text reads: "Welcome to Electronic Scheduled Waste Information System". On the left side, there is a login and registration section with the eSWIS logo (Electronic Scheduled Waste Information System) and fields for Username and Password, along with a "Forgot?" link. Below these fields are buttons for "Sign In" (green) and "Register" (yellow). At the bottom of the left sidebar is a "Getting Started" button with a lightbulb icon. The footer contains the logo of the Malaysian government and the text: "Jabatan Alam Sekitar, Malaysia", "Kementerian Sumber Asli Dan Alam Sekitar", "Aras 3, Podium 3, Wisma Sumber Asli, No.25, Persiaran Perdana, Presint 4, 62574 W.P. PUTRAJAYA", "General Line: 03 - 8871 2000 / 8871 2200 Fax Number : 03 - 8889 1973/75", and "Copyright © 2014 eSWIS. All rights reserved (ver 1.2.4)."

# E-SWIS LOG-IN SCREEN

URL

<https://eswis.doe.gov.my>

Fill in  
**USERNAME &  
PASSWORD**

The screenshot shows the login interface of the eSWIS system. It features a 'Username' input field with a user icon, a 'Password' input field with a magnifying glass icon and a 'Forgot?' link, a green 'Sign In' button, and a yellow 'Register' button. The entire form area is enclosed in a red rectangular border.

Welcome to Electronic Scheduled Waste  
Information System

Putrajaya, Malaysia  
Jabatan Alam Sekitar  
Wisma Sumber Asli, No.25, Persiaran Perdana, Presint 4, 62574 W.P. PUTRAJAYA  
Telefon : 03 - 8871 2000 / 8871 2200 Fax Number : 03 - 8889 1973/75

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# Notification

Notification No : **Auto Generated**

File Ref No :

Date: 07/07/2015 DOE File No: AS (B) A 95/130 /100/165

Location Details : [0809A46471641]

PT 22580, BANDAR BARU SRI MANJUNG,  
PERAK TENGAH  
PERAK  
MALAYSIA

Reporting Officer : [View Details](#)

**DORIS MANAGER**  
Supervisor

SW305: 100.00 %



SW305 : 1.0000 MT

Summary : 1.0000 MT

## Waste Generation

### Production Information

Raw Material / Chemicals

#	Raw Material / Chemicals*	Quantity (MT)*
1	lubricants & hydraulics oil	3

### Waste Information

Waste Code
<input type="text"/>
SW309
SW310
SW311
<b>SW312</b>
SW313

SW312

Production

Oily residue from automotive workshop, service station, oil or grease interceptor

1 MT/per month\*

Waste Name \*

Oily residue from grease interceptor

Waste Component

Oil

Waste Type \*

Liquid

Package Type \*

27 GAL DRUM PLASTIC

**+ Insert/Add**

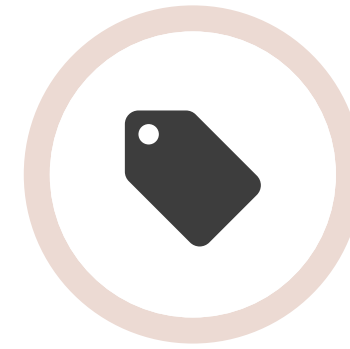
#	Waste Code*	Waste Name*	Waste Component	Waste Type*	Source of Waste*	Quantity (MT/per month)*	Package Type*
---	-------------	-------------	-----------------	-------------	------------------	--------------------------	---------------

**Click INSERT/ADD**

**Fill in WASTE INFORMATION  
Choose WASTE CODE  
Fill in REQUIRED FIELD (\*)**

# PERATURAN 9

PENSTORAN BUANGAN  
TERJADUAL



**KOD AMALAN PELABELAN  
BUANGAN TERJADUAL:**

**PENGGUNAAN LABEL DAN  
BEKAS PENSTORAN BT**

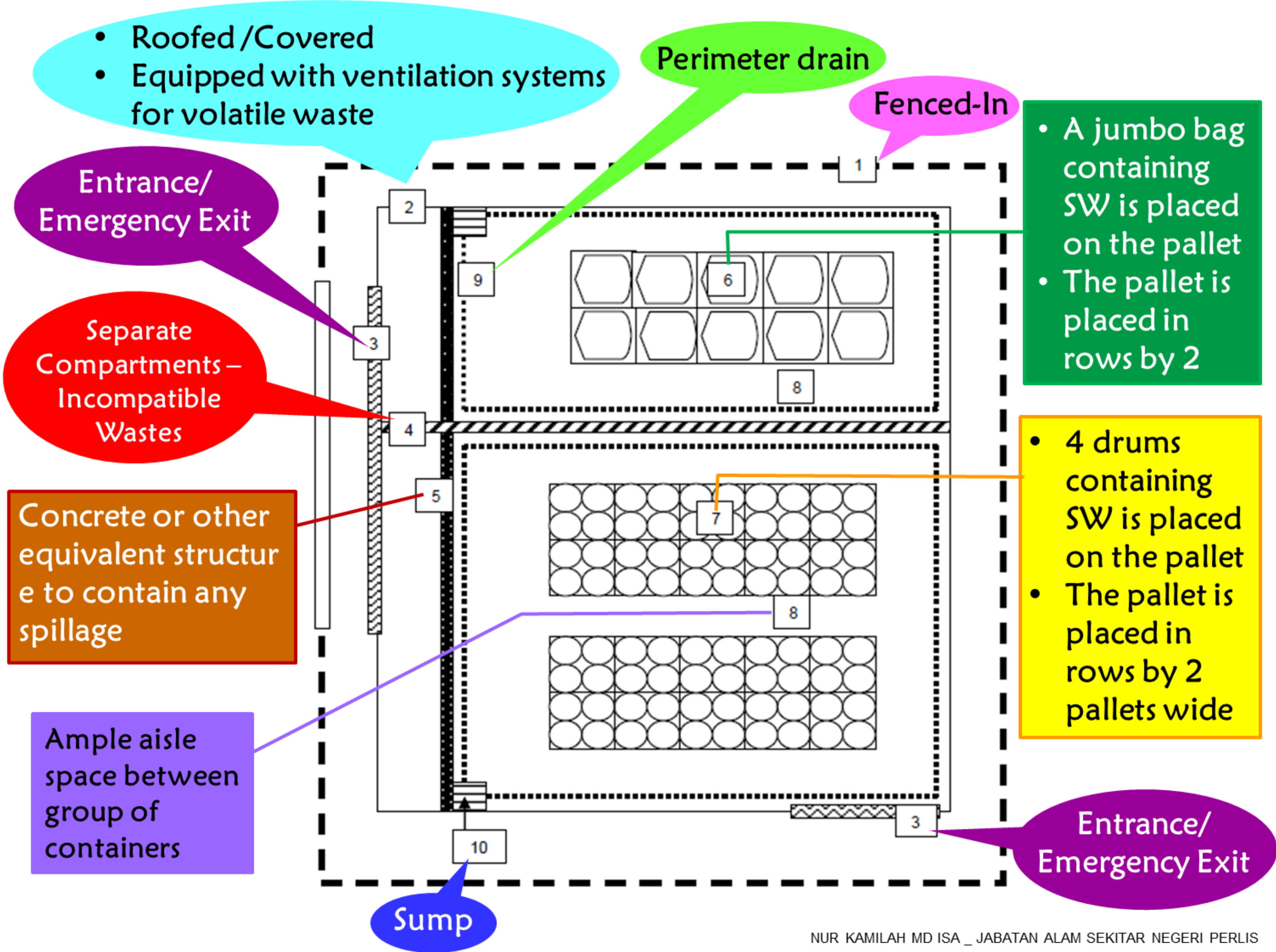


**KAWASAN PENSTORAN  
DIREKABENTUK, DIBINA DAN  
DISELENGGARA IKUT GARIS  
PANDUAN**



**TEMPOH PENSTORAN:**

**< 180 HARI SELEPAS  
PENGELUARAN, TIDAK  
MELEBIHI 20 MT**



- Roofed /Covered
- Equipped with ventilation systems for volatile waste

Entrance/  
Emergency Exit

Separate  
Compartments –  
Incompatible  
Wastes

Concrete or other  
equivalent structur  
e to contain any  
spillage

Ample aisle  
space between  
group of  
containers

Sump

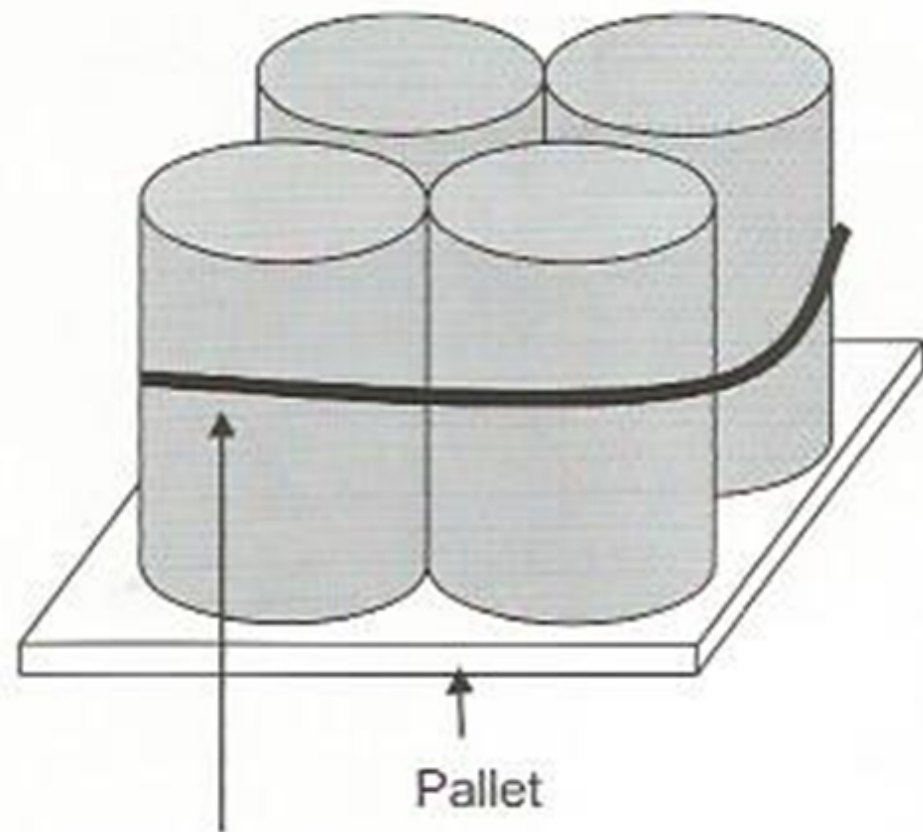
Perimeter drain

Fenced-In

- A jumbo bag containing SW is placed on the pallet
- The pallet is placed in rows by 2

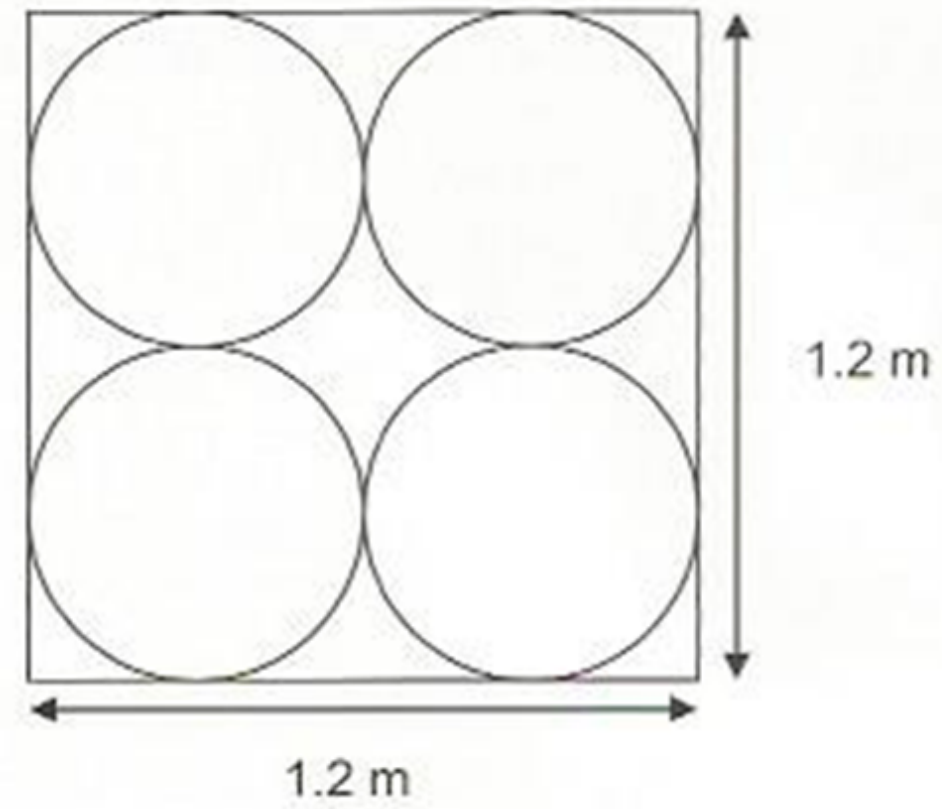
- 4 drums containing SW is placed on the pallet
- The pallet is placed in rows by 2 pallets wide

Entrance/  
Emergency Exit



Plastic/steel tape or band to secure the drums

**Side view of 4 drums on pallet**



**Top view of 4 drums on pallet**

Figure 7: Packaging of drums for transportation



Figure 8: Example of drums secured by plastic wrapping

**P  
A  
C  
K  
A  
G  
I  
N  
G**



## **DRUM BESI**

Tidak sesuai digunakan untuk menyimpan bahan buangan yang menghakis



## **DRUM PLASTIK**

Serasi dengan pelbagai jenis buangan solven

Solvent yang terdiri daripada diehylether dan klorofom tidak sesuai

# **BUNGHOLE DRUM**

PLASTIK/ BESI

# DRUM BUKAAN ATAS DENGAN PENUTUP



**"CLAMP"**

BUANGAN PEPEJAL

- ENAPCEMAR (SLUDGE)
- eWASTE
- BUANGAN FARMASI
- BUANGAN MAKMAL
- BUANGAN DICEMARI BUANGAN TERJADUAL





# BEKAS BUANGAN KLINIKAL/ PATOGENIK

- ▶ PERLU LOGO BUANGAN KLINIKAL
- ▶ LABEL SW
- ▶ ALAMAT PENGELUAR BUANGAN
- ▶ TARIKH MULA DISIMPAN

## **INTERMEDIATE BULK CONTAINER (IBC)**

DIGUNAKAN BAGI  
PENYIMPANAN  
BERSKALA BESAR  
(MINYAK, SOLVENT  
& ASID)



**JERRY CAN**

**CARBOY**

SESUAI DIGUNAKAN BAGI  
PENYIMPANAN BUANGAN  
CECAIR ORGANIK / TIDAK  
ORGANIK

SOLVENT, BAHAN KIMIA DAN  
LAIN-LAIN





# KOTAK

BUANGAN TERJADUAL YANG KERING DAN TIDAK MENGELUARKAN CECAIR DALAM KUANTITI YANG KECIL

CONTOH : eWASTE, BEKAS YANG DICEMARI BUANGAN TERJADUAL, UBAT YANG TAMAT TEMPOH DAN LAIN-LAIN



## **FLEXIBLE IBC/ JUMBO BAG**

BUANGAN TERJADUAL YANG KERING DAN TIDAK MENGELUARKAN CECAIR DALAM KUANTITI YANG KECIL

CONTOH : EWASTE, ASH, SLAG, KLINKER, ENAPCEMAR KERING DAN LAIN-LAIIN

# ••• Anda rasa saya ada masa untuk sakit kepala..?





# betuui ke idak?











# PERATURAN

10

PELABELAN BUANGAN TERJADUAL



**CECAIR MUDAH TERBAKAR /  
PEPEJAL : BERBAHAYA APABILA BASAH**



**BAHAN TOKSIK**



**CAMPURAN PELBAGAI  
BAHAN BERBAHAYA**



**BAHAN PENGOKSIDAAN /  
PEROKSIDA ORGANIK**



**PEPEJAL MUDAH TERBAKAR**



**BAHAN BERJANGKIT**



**BAHAN MENGAKIS**



**BAHAN LETUPAN**

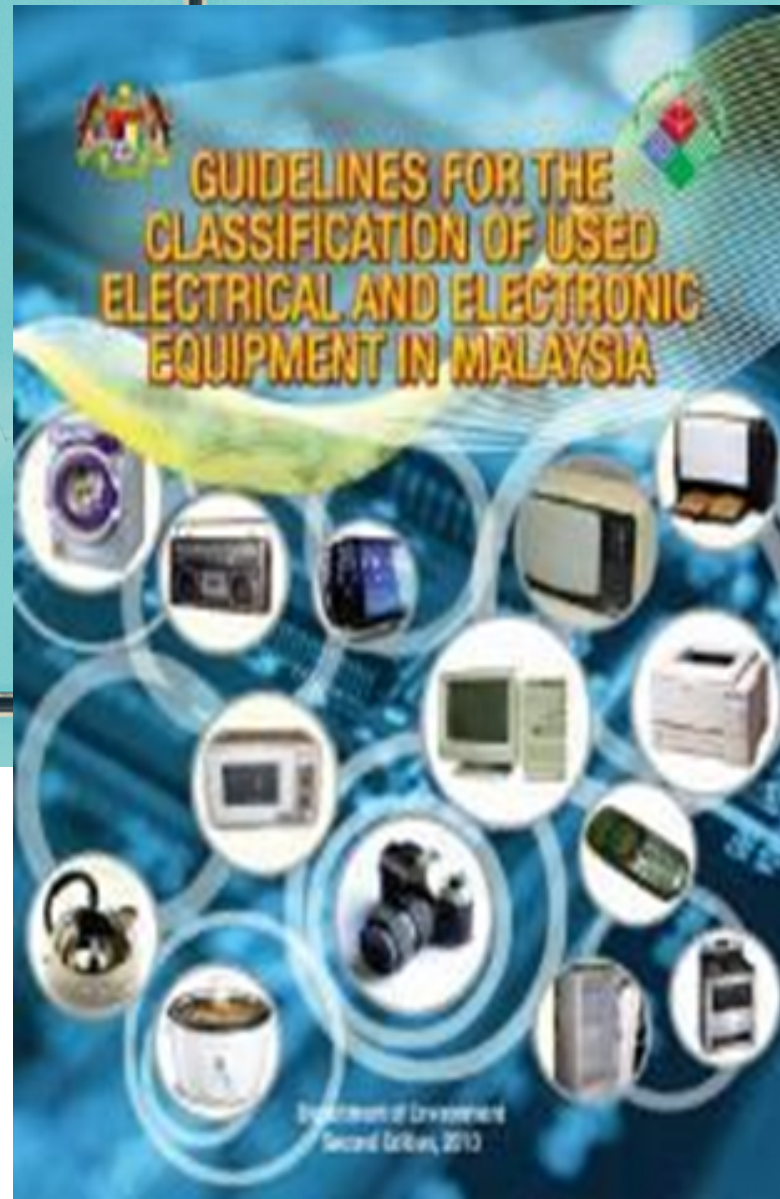


KOD BUANGAN	:	
NAMA BUANGAN	:	
TARIKH DIHASILKAN	:	
NAMA PENGELUAR	:	



KOD BUANGAN	:	
NAMA BUANGAN	:	
TARIKH DIHASILKAN	:	
NAMA PENGELUAR	:	

# GARIS PANDUAN BERKAITAN BUANGAN TERJADUAL





# PERATURAN 14

PERTUMPAHAN ATAU PELEPASAN TIDAK  
SENGAJA



# Sekian.....

perkongsian pertama