

Guide Book

FOOD WASTE COMPOSTING EXPERIENCE USING EFFECTIVE MICROORGANISMS [EM-1®]

TRAINING FOR

TRAINERS



FOOD WASTE COMPOSTING @SEPANG

LOW CARBON CITY INITIATIVE by SEPANG MUNICIPAL COUNCIL



la21.mpsepang.gov.my



INVEST SEPANG



E-KOMUNITI SEPANG



Landfill in Malaysia

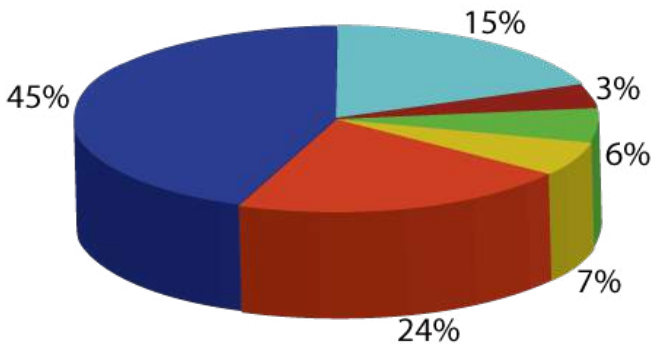
Landfills in the country

	Operating	End of life	Sanitary
Perlis	1	1	0
Kedah	10	5	0
Penang	1	2	0
Perak	20	9	0
Pahang	19	13	1
Selangor	6	12	3
Putrajaya	0	0	0
Kuala Lumpur	1	7	1
N. Sembilan	8	10	0
Malacca	2	5	0
Johor	13	21	1
Kelantan	13	4	0
Terengganu	9	12	0
Labuan	1	0	0
Sabah	21	1	0
Sarawak	51	12	3
TOTAL	176	114	8

Source: Ministry of Housing and Local Government (2009)



Composition Landfill

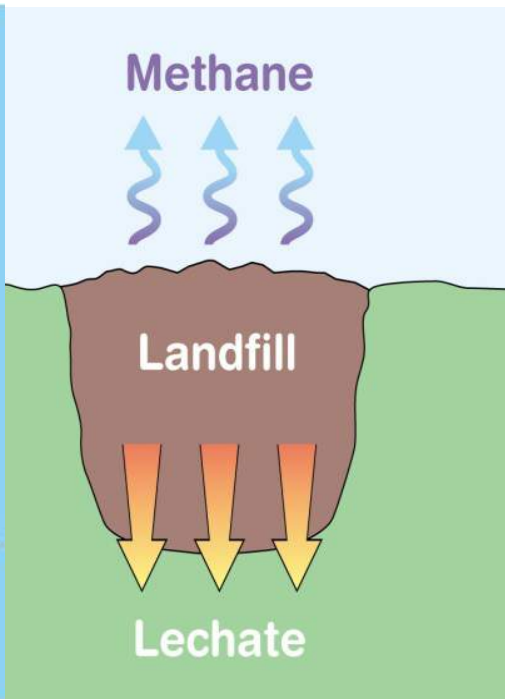
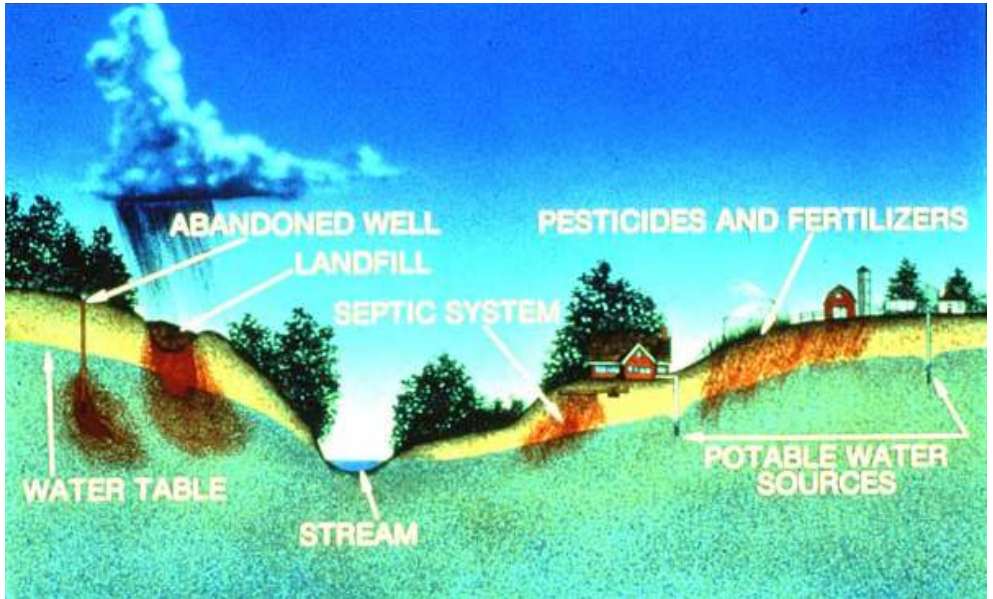


- Sisa Makanan
- Plastik
- Kertas
- Logam
- Kaca
- Lain-lain

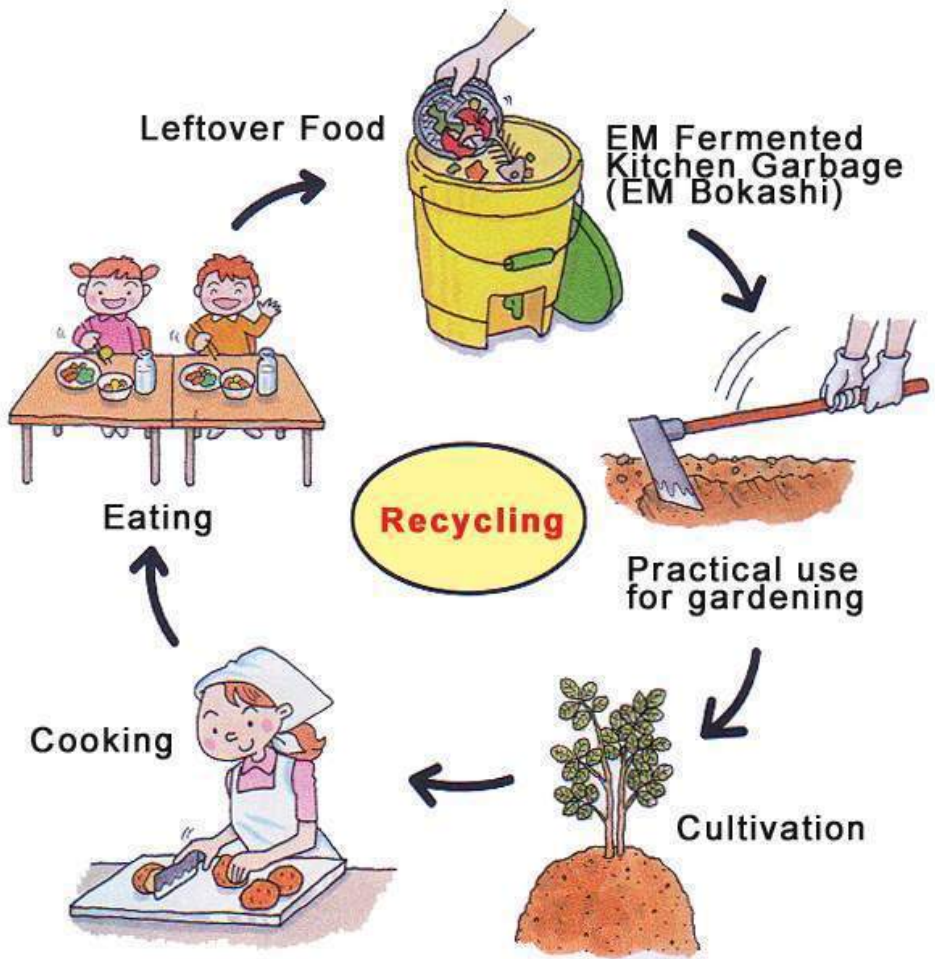
Separating the Dry Wastes for Recycling



Contamination Sources



A simple system for the recycling of kitchen waste using Effective Microorganisms (EM)



The Smell is like a pickles



During fermentation, excess water is drained from the bottom. This liquid includes much nutrient and beneficial microbes and can be applied as a liquid fertilizer

Composting Foodwaste to Reduce Contributing to Landfill



Note:

#EM is yellowish or brownish liquid. EM is very safety for human. And pH is under 3.5, so sourer taste.

#EM Technology was developed at the University of Ryukyus, Okinawa, Japan in the early 1980's by Professor DrTeruo Higa.

EM Goes To School



Prepare the air-tight bucket with drain cock



EM For House Cleaning



When used with sprayer it is recommended to use supernatant (clear upper portion) for preventing the clogging.



Once EM is diluted with water The dilution should be used up within a day.


Wiping with EM Solutions



You can enjoy full of flowers and delicious vegetables with EM!!



Let's start from today !



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: Ahmad Nazif bin Abd Rahman
: Mohd Adham Hj Mahmood
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