

**PELAN PEMBANGUNAN PENGURUSAN SISA MAKANAN BAGI SEKTOR INDUSTRI, KOMERSIL DAN
INSTITUSI (2016-2026)**

***FOOD WASTE MANAGEMENT DEVELOPMENT PLAN FOR INDUSTRY, COMMERCIAL AND INSTITUTION
SECTORS (2016-2026)***

6 STRATEGI / 6 STRATEGIES

1. Pembangunan pangkalan data (9 pelan tindakan)
Establishment of database (9 action plans)
2. Pewujudan Peraturan (4 pelan tindakan)
Establishment of Regulations on Food Waste Recycling (4 action plans)
3. Pengurangan Sisa Makanan di Punca (6 pelan tindakan)
Food waste minimization / reduction at source (6 action plans)
4. Kemudahan Rawatan di Punca (5 pelan tindakan)
Enhancement of food waste treatment at source (5 action plans)
5. Sistem rawatan yang teratur (4 pelan tindakan)
Establishment of proper system for food waste treatment (4 action plans)
6. Pemerolehan semula tenaga (3 pelan tindakan)
Recovery of methane gas from landfills (3 action plans)

STRATEGI 1 : PEMBANGUNAN PANGKALAN DATA

STRATEGY 1 : ESTABLISHMENT OF DATABASE

Pelan Tindakan <i>Action Plans</i>	2016/2017	2017/2018	2018/2019	2019/2020	2020/2026
1. Memuktamadkan garis panduan dengan mekanisme pengumpulan data <i>Finalize the guidelines with mechanism on data collection</i>					
2. Merancang program dan aktiviti bagi memperkenalkan mekanisme dan bentuk pengumpulan data kepada pihak berkepentingan <i>Designing programmes and activities to introduce mechanism and method on data collection to stakeholders</i>					

Pelan Tindakan <i>Action Plans</i>	2016/2017	2017/2018	2018/2019	2019/2020	2020/2026
3. Mengadakan bengkel dan sesi dialog bersama pihak berkepentingan <i>Workshop and dialogue session with stakeholders</i>					
4. Membangunkan sistem pengurusan data/pembangunan modal insan <i>Developing data management system/human capital development</i>					
5. Permulaan secara rasmi sistem pelaporan secara sukarela <i>Voluntarily based reporting system</i>					
6. Mengintegrasikan tanggungjawab pelaporan sebagai salah satu syarat dalam permohonan lesen					

Pelan Tindakan Action Plans	2016/2017	2017/2018	2018/2019	2019/2020	2020/2026
<i>Integrating an obligation to report as part of terms in license application</i>					
7. Membuat penambahbaikan secara berterusan dalam sistem pelaporan data <i>Continuous improvements in data reporting system</i>					
8. Mengadakan bengkel dan latihan dalam menggunakan sistem pelaporan data <i>Workshop and training for data reporting system</i>					
9. Permulaan secara rasmi sistem pelaporan secara mandatori <i>Mandatory reporting system</i>					

STRATEGI 2 : PEWUJUDAN PERATURAN

STRATEGY 2 : ESTABLISHMENT OF REGULATIONS ON FOOD WASTE RECYCLING

Pelan Tindakan <i>Action Plans</i>	2016/2017	2017/2018	2018/2019	2019/2020	2020/2026
1. Menyediakan deraf Peraturan Pengurusan Sisa Makanan <i>Drafting Regulations on Food Waste Management</i>					
2. Mengadakan sesi konsultansi dan memuktamadkan Peraturan Pengurusan Sisa Makanan <i>Consultation and finalize Regulations on Food Waste Management</i>					
3. Deraf Peraturan yang telah disediakan dikemukakan kepada Jabatan Peguam					

Pelan Tindakan <i>Action Plans</i>	2016/2017	2017/2018	2018/2019	2019/2020	2020/2026
Negara, kelulusan Jemaah Menteri dan diwartakan <i>Drafted Regulations to be send to Attorney General, for approval of Cabinet and be gazetted</i>					
4. Pelaksanaan Peraturan serta penguatkuasaan Peraturan secara berperingkat <i>Implementation and enforcement of Regulations by phases</i>					

STRATEGI 3 : PENGURANGAN SISA MAKANAN DI PUNCA

STRATEGY 3 : FOOD WASTE MINIMIZATION / REDUCTION AT SOURCE

Pelan Tindakan <i>Action Plans</i>	2016/2017	2017/2018	2018/2019	2019/2020	2020/2026
1. Membangunkan, memuktamadkan dan menggunakan Garis Panduan Meminimumkan Sisa Makanan/ Pengurangan di Punca <i>Developing, finalizing and implementing the Guidelines on Minimization of Food waste and Reduction at Source</i>					
2. Penyebaran Garis Panduan dalam media massa termasuk laman sesawang jabatan, akhbar, brosur dan poster					

Pelan Tindakan Action Plans	2016/2017	2017/2018	2018/2019	2019/2020	2020/2026
<i>Circulating the Guidelines in mass media that includes department's website, newspaper, brochure and poster</i>					
3. Melaksanakan penambahbaikan dan pemantauan <i>Improvements and monitoring</i>					
4. Mengadakan seminar/road show <i>Conducting seminar and road show</i>					
5. Mengintegrasikan tanggungjawab pelaporan sebagai salah satu syarat dalam permohonan lesen <i>Integrating an obligation to report as part of terms in license application</i>					

Pelan Tindakan <i>Action Plans</i>	2016/2017	2017/2018	2018/2019	2019/2020	2020/2026
6. Mengadakan seminar bagi memurnikan serta memuktamadkan strategi meminimumkan sisa makanan <i>Conducting seminar for refining and finalizing the strategies for minimization of food waste</i>					

STRATEGI 4 : KEMUDAHAN RAWATAN DI PUNCA

STRATEGY 4 : ENHANCEMENT OF FOOD WASTE TREATMENT AT SOURCE

Pelan Tindakan <i>Action Plans</i>	2016/2017	2017/2018	2018/2019	2019/2020	2020/2026
1. Membangunkan, memuktamadkan serta menggunakan Garis Panduan Rawatan Sisa Makanan di Punca <i>Developing, finalizing and implementing the Guidelines on Treatment of Food Waste at Source</i>					
2. Mengadakan hebahan Garis Panduan dalam pelbagai saluran termasuk dalam laman sesawang jabatan, akhbar, brosur dan poster					

Pelan Tindakan Action Plans	2016/2017	2017/2018	2018/2019	2019/2020	2020/2026
<i>Circulating the Guidelines in mass media that includes department's website, newspaper, brochure and poster</i>					
3. Menggalakkan dan memantau pelaksanaan rawatan sisa makanan di punca secara sukarela <i>Encouraging and monitoring the implementation of voluntarily treatment of food waste at source</i>					
4. Menjalankan seminar dan <i>road show</i> fasa pertama <i>Conducting first phase of seminar and road show</i>					

Pelan Tindakan Action Plans	2016/2017	2017/2018	2018/2019	2019/2020	2020/2026
5. Menjalankan seminar dan <i>road show</i> fasa ke dua <i>Conducting second phase of seminar and road show</i>					

STRATEGI 5 : SISTEM RAWATAN YANG TERATUR

STRATEGY 5 : ESTABLISHMENT OF PROPER SYSTEM FOR FOOD WASTE TREATMENT

Pelan Tindakan <i>Action Plans</i>	2016/2017	2017/2018	2018/2019	2019/2020	2020/2026
1. Menjalankan kajian awal dan penilaian mengenai inisiatif dan pembangunan fasiliti bagi sistem rawatan sisa makanan <i>Conducting preliminary study and evaluation on initiatives and development facility for food waste treatment system</i>					
2. Menjalankan pendaftaran bagi mewujudkan kemudahan rawatan sisa makanan secara bersepadu <i>Conducting registration for integrated food waste treatment facilities</i>					

Pelan Tindakan <i>Action Plans</i>	2016/2017	2017/2018	2018/2019	2019/2020	2020/2026
3. Membangunkan sistem rawatan sisa makan secara berpusat di lokasi yang ditetapkan menggunakan kaedah <i>Private-Finance-Initiatives</i> (PFI) atau <i>Public-Private-Partnership</i> (PPP) <i>Developing centralized food waste treatment at assigned location using Private-Finance-Initiatives (PFI) or Public-Private-Partnership (PPP)</i>					
4. Meningkatkan kesedaran dan menjalankan aktiviti promosi bagi menggalakkan penggunaan fasiliti rawatan sisa makanan secara bersepadu					

Pelan Tindakan Action Plans	2016/2017	2017/2018	2018/2019	2019/2020	2020/2026
<i>Creating awareness and promotion to encourage integrated food waste treatment facilities</i>					

STRATEGI 6 : PEMEROLEHAN SEMULA TENAGA

STRATEGY 6 : RECOVERY OF METHANE GAS FROM LANDFILLS

Pelan Tindakan <i>Action Plans</i>	2016/2017	2017/2018	2018/2019	2019/2020	2020/2026
1. Menjalankan analisis keupayaan gas methane di tapak pelupusan <i>Conducting analysis on methane gas capacity at landfills</i>					
2. Membangunkan dan melaksanakan skim baharu bagi meningkatkan keberkesanan pemerolehan semula gas dari tapak pelupusan melalui galakan insentif yang bersesuaian ataupun sokongan lain <i>Developing and implementing a new scheme to improve the effectiveness of recovery of gas from landfills by</i>					

Pelan Tindakan Action Plans	2016/2017	2017/2018	2018/2019	2019/2020	2020/2026
<i>encouraging appropriate incentives or other support</i>					
3. Membangunkan garis panduan pemerolehan semula gas methane dari tapak pelupusan <i>Developing guideline on recovery of methane gas from landfills</i>					