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KEMENTERIAN PERTANIAN MALAYSIA: SATU PENGENALAN

Unit Perhubungan Awam
Kementerian Pertanian Malaysia

Pendahuluan

Pertanian merupakan suatu bidang yang penting di negara ini. Untuk menjaga kepentingan ini kerajaan telah menubuhkan Kementerian Pertanian dengan beberapa objektif yang tertentu:-

- Menambah daya pengeluaran dan pendapatan melalui penggunaan teknologi dan amalan pengurusan moden.
- Mengeluarkan bahan-bahan makanan yang cukup untuk kegunaan negara.
- Mempelbagaikan jenis tanaman dan kegiatan perusahaan pertanian selaras dengan peluang-peluang pasaran dan eksport.

Organisasi Kementerian Pertanian

Bagi memastikan Kementerian ini mencapai objektif-objektifnya ia dibahagikan kepada

empat bahagian yang utama iaitu:-

a. Bahagian Perancang dan Dasar

Bahagian itu mempunyai beberapa matlamat yang penting yang harus dilaksanakan iaitu, menentukan dasar sektor pertanian, merancang program/projek pembangunan pertanian menyelaras aktiviti-aktiviti agensi/jabatan di bawah Kementerian dan mengawal pembahagian sumber (resource allocation).

Bagi mencapai matlamat-matlamat di atas, bahagian ini menjalankan beberapa aktiviti tertentu iaitu:-

- Perancangan Sektor
- Perancangan Komoditi
- Pembangunan Kawasan
- Perancangan Infrastruktur dan Perkhidmatan Ladang
- Perkhidmatan Ladang
- Perkhidmatan Sokongan

b. Bahagian Pengesanan dan Penilaian

Bahagian ini bertanggungjawab melaksanakan bidang kerja pengesanan dan penilaian, ke atas projek-projek serta rancangan-rancangan (program) di bawah Kementerian Pertanian. Ini bertujuan supaya semua projek atau program dapat dilaksanakan mengikut jadual serta mencapai matlamatnya. Disamping itu penilaian juga dipandang daripada segi faedah sesuatu projek atau program dalam memperbaiki taraf hidup melalui peningkatan hasil pertanian (termasuk aktiviti-aktiviti ternakan dan perikanan) serta pendapatan golongan sasaran.

Bagi menjamin hasrat di atas tercapai pihak Kementerian telah membahagi-bahagikan kawasan pertanian kepada beberapa bahagian:

1. Seksyen IADP I (meliputi negeri-negeri Kedah, Perlis, Pulau Pinang, Kelantan, Trengganu, Sabah dan Sarawak).
2. Seksyen IADP II (meliputi negeri-negeri Perak, Selangor, Pahang, Johor, Negeri

MPM ialah sebuah buletin suku tahunan yang diterbitkan oleh Perpustakaan Universiti Pertanian Malaysia. Pandangan dan pendapat penyumbang tidak semestinya mencerminkan pandangan atau pendapat jemaah pengarang. Buletin ini diberi secara percuma atas permintaan. Sila alamatkan semua surat menyurat/pertanyaan kepada: Ketua Pengarang, Buletin Maklumat Pertanian Malaysia, Perpustakaan, Universiti Pertanian Malaysia, Serdang, Selangor.

Penasihat: Syed Salim Agha; Ketua Pengarang: Ibrahim Kassim.

Pengarang-pengarang: Badillah Saad; Jamaliah Ahmad; Kamariah Abdul Hamid; Nor Hajar Abu Bakar.

Penyunting: Jama'yah Zakaria

Sembilan dan Melaka).

3. Bahagian bukan IADP (meliputi bahagian perikanan, ternak air dan tanaman).

c. Bahagian Ekonomi Pertanian

Bahagian ini bertanggungjawab memberi sokongan analisis kajian ekonomi dan sokongan perangkaan yang berkesan kepada teraju Kementerian dalam perancangan, penilaian dan pemutusan dasar-dasar, strategi-strategi dan program-program bagi mencapai objektif Kementerian.

Selain daripada itu bahagian ini juga memberi perkhidmatan yang sama kepada agensi-agensi lain dalam perancangan dan penilaian dasar, strategi serta program-program sektor pertanian.

Aktiviti-aktiviti utama dalam bidang ekonomi pertanian adalah seperti berikut:-

- Aktiviti analisis ekonomi
- Aktiviti banci dan perangkaan
- Aktiviti prosesan komputer

Sepertimana Bahagian Pengesanan dan Penilaian maka Bahagian Ekonomi Pertanian ini juga mempunyai beberapa Seksyen bagi menjamin kekesan program-program yang dijalankan. Seksyen-seksyen itu ialah:

1. Seksyen analisis ekonomi pengeluaran
2. Seksyen analisis ekonomi pemasaran dan harga
3. Seksyen analisis ekonomi Makro dan Projek
4. Seksyen banci dan perangkaan
5. Seksyen Komputer

Bahagian Pentadbiran dan Kewangan

Bahagian ini adalah penting bagi memastikan semua kegiatan dapat berjalan lancar. Ia diketuai oleh Timbalan Ketua Setiausaha. Terdapat enam Seksyen di bawah Bahagian ini iaitu Pentadbiran Am, Kewangan, Akaun, Antarabangsa, Penerbitan, Perpustakaan dan Atase Pertanian di Rome.

samping empat Bahagian utama yang terdapat di as tadi ada empat unit lain yang memberikan rkhidmatan sokongan pengurusan iaitu:-

- Unit Perkhidmatan Pengurusan

- Unit Audit Dalam
- Unit Perhubungan Awam
- Unit Pegawai Undang-Undang

Projek-projek IADP (Integrated Agricultural Development Projects)

Selain daripada bahagian-bahagian yang telah disebutkan terdapat juga pejabat-pejabat Projek Pembangunan Pertanian yang disatukan, atau lebih dikenali sebagai IADP yang diketua oleh Pegawai Penyelaras.

Projek-projek IADP tersebut ialah:-

1. IADP Negeri Perlis
2. IADP Seberang Perak
3. IADP Pahang Barat
4. IADP Johor Barat
5. IADP Johor Barat II
6. IADP Kemasin Semarak
7. IADP Lembah Kedah
8. IADP NST
9. IADP Kelantan Utara
10. IADP Barat Laut Selangor
11. IADP Krian Sg. Manik
12. IADP Rompin Endau
13. IADP Besut
14. IADP Lembah Sg. Golok

Jabatan/Agensi di bawah Kementerian

Selain daripada Bahagian-Bahagian dan Unit yang bertanggungjawab terhadap kejayaan projek-projek yang diadakan Kementerian juga mempunyai empat buah jabatan dan tujuh buah agensi di bawahnya. Jabatan dan agensi itu ialah:-

1. Jabatan Pertanian
2. Jabatan Parit dan Taliair
3. Jabatan Perkhidmatan Haiwan
4. Jabatan Perikanan
5. Lembaga Pemasaran Pertanian Malaysia (FAMA)
6. Lembaga Pertubuhan Peladang (LPP)
7. Lembaga Kemajuan Ikan Malaysia (LKIM)
8. Lembaga Kemajuan Pertanian Muda (MADA)
9. Lembaga Kemajuan Kemubu (KADA)
10. Bank Pertanian Malaysia (BPM)

Penyebaran Maklumat Pembangunan Pertanian

A. Peranan Unit Perhubungan Awam

Unit Perhubungan Awam Kementerian bertanggungjawab membantu pihak pengurusan dalam

usaha menyebarkan maklumat pembangunan pertanian. Unit ini berfungsi:-

- Menyampaikan maklumat tentang dasar-dasar Kementerian untuk pengetahuan orang ramai
- Menyusun dan menyelaraskan penyebaran maklumat pertanian;
- Menjalankan kajian komunikasi;
- Memberi khidmat nasihat dalam aspek komunikasi
- Memberi penerangan tentang dasar, program projek Kementerian kepada golongan sasaran
- Menjalankan kerja-kerja geraksaraf/ perangsaraf

B. Jawatankuasa Sebaran Pembangunan Pertanian

Dalam usaha menyebarkan maklumat pembangunan pertanian kepada golongan sasaran, satu Jawatankuasa peringkat Kebangsaan telah ditubuhkan pada 19hb Ogos 1982, yang diberi nama Jawatankuasa Sebaran Pembangunan Pertanian. Jawatankuasa Peringkat Negeri di Semenanjung pula telah ditubuhkan sebelum akhir tahun 1983.

Ia ditubuhkan atas arahan YB Menteri Pertanian yang berpendapat bahawa intisari program pada masakini tidak memberi kesan yang mendalam kepada golongan sasaran yang terdiri daripada kaum petani dan nelayan.

Secara ringkasnya, dapatlah dirumuskan bahawa tujuan Jawatankuasa Sebaran Pembangunan Pertanian ialah:-

1. menyelaraskan semua bahan pertanian yang dikeluarkan melalui media massa terutama sekali media elektronik
2. menyusun program-program untuk disiarkan secara integrasi mengikut keadaan/tempat kehendak kumpulan sasaran.

Jawatankuasa Peringkat Kebangsaan

Jawatankuasa Peringkat kebangsaan telah dipengerusikan oleh Ketua Unit Perhubungan Awam, Kementerian Pertanian dan keahliannya adalah terdiri daripada semua Pegawai Perhubungan Awam di 11 buah Jabatan dan agensi di bawah Kementerian Pertanian dan RTM iaitu Bahagian Pembangunan Pertanian.

Jawatankuasa Peringkat Negeri

1. Jawatankuasa ini dianggotai oleh semua

jabatan/agensi di bawah Kementerian Pertanian;

2. Pihak RTM negeri dijemput untuk menganggotai Jawatankuasa ini.
3. Seorang pengerusi dilantik. Pengerusi dan Setiausaha akan dibantu oleh Pegawai Penyelaras yang dilantik untuk menyelaraskan program bulanan.
4. Pengerusi Jawatankuasa Peringkat Kebangsaan akan menghadiri mesyuarat di peringkat negeri dari masa ke semasa untuk memastikan dan menilai perjalanan program ini.
5. Bahagian Pengesanan dan Penilaian di peringkat Kementerian akan menilai kekesan program ini setelah program tersebut berjalan dengan licin.

C. Penerbitan

Unit Penerbitan Kementerian memainkan peranan menerbitkan beberapa penerbitan Kementerian. Jenis-jenis penerbitan yang dikeluarkan oleh Unit ini ialah:-

1. Penerbitan Am (General publications)
2. Penerbitan Statistik (Statistical Publications)
3. Buletin Perikanan (Fisheries Bulletins)
4. Penerbitan Sains Tanah (Soils Science Publications)
5. Penerbitan parit dan Taliair (Drainage and Irrigation Publications)
6. Prosedur Hidrologi (Hydrological procedures)
7. Penerbitan Sumber Air (Water Resources Publications)
8. Jurnal Pertanian Malaysia (The Malaysia Agricultural Journal)
9. Risalah (Leaflets)

Selain daripada penerbitan di atas, Kementerian ini juga telah menerbitkan WARTANI iaitu 'Agricultural Bulletin' untuk golongan petani dan nelayan. Ia dikeluarkan secara gabungan sumbangan dari semua jabatan/agensi yang berkenaan.

WARTANI dikeluarkan dengan tujuan:-

1. Mewujudkan satu sistem di mana berita-berita penerangan Kementerian dan agensi-agensi/jabatan-jabatan di bawahnya dapat disebarkan dengan cara integrasi.
2. Untuk memberi penerangan kepada semua golongan tentang dasar fungsi dan khidmat-khidmat yang disediakan oleh Kementerian dan

ke semua agensi/jabatan di bawahnya, supaya mereka dapat mengambil bahagian dan menerima faedah sepenuhnya.

3. Menyakinkan kumpulan sasaran yang tertentu tentang perlunya undang-undang dan peraturan-peraturan pentadbiran yang baru dan membantu mereka dalam memahami peraturan-peraturan itu.

Ia dikeluarkan tiga bulan sekali dalam bahasa yang senang difahami oleh golongan petani dan nelayan. Penerbitan-penerbitan ini dikeluarkan oleh Kementerian. Walau bagaimanapun jabatan/agensi di bawah Kementerian juga mempunyai penerbitannya sendiri.

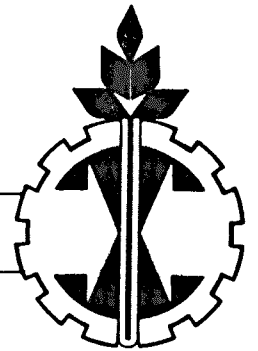
D. Media Massa Lain

Selain daripada radio, TV, akhbar dan

penerbitan yang memainkan peranan dalam menyebarkan maklumat pembangunan pertanian, saluran 'interpersonal' adalah penting. Ini dapat dilakukan oleh agen-agen pengembangan yang terdapat di jabatan/agensi di bawah Kementerian. Contohnya sistem 2 L (Latihan dan lawatan) yang dimainkan oleh Jabatan Pertanian dan Jabatan Perikanan.

Selain daripada itu, maklumat-maklumat pertanian juga disebarkan melalui dailog-dailog dan juga ceramah-ceramah di peringkat kawasan dan negeri.

Unit-unit Bergerak yang terdapat di jabatan/agensi Kementerian juga turut membantu dalam menyebarkan maklumat pembangunan pertanian kepada golongan sasaran.



Teknologi dan Penemuan Baru Pertanian

1. Pemandulan separa satu cara baru mengawal serangga perosak

Satu cara baru mengawal serangga perosak telah dijalankan oleh J.E. Carpenter di Amerika Syarikat.

Pancaran gama digunakan untuk merosakkan kromosom dan mengurangkan keupayaan mengawan serangga-serangga tersebut. Melalui cara ini pengurangan bilangan serangga dapat dikesan di peringkat generasi ketiga dan keempat serangga tersebut.

Punca: *Agricultural Research* Jil. 32, bil 9, Mei 1984. m.s. 15

2. Anak babi tabung uji pertama di dunia

Dr. Chris Polge, Ketua Penyelidik di Animal Research Station, Cambridge telah berjaya membuktikan bahawa anak babi tabung uji boleh dihasilkan.

Para penyelidik di situ telah mendapatkan mani haiwan tersebut dan ia dibiarkan matang dalam satu media khas, sehingga menetas empat ekor anak babi dari 16 telur yang digunakan.

Harapan Dr. Polge ialah cara ini dapat digunakan untuk haiwan-haiwan ternakan yang lain.

Punca: *New Zealand Veterinary Journal* Jil. 32, bil 8, Ogos 1984. m.s. xi

3. Embrio ternakan sejuk-beku untuk eksport

Embrio boleh disimpan untuk beberapa tahun, dan memberi masa untuk diujikaji sepenyuhnya tentang ciri-ciri penghasilan ketahanan induk terhadap penyakit.

Satu projek usahasama oleh penyelidik-penyelidik Universiti-Universiti New South Wales (NSW), Sydney dan Monash telah dijalankan, di mana 20 embrio diasingkan dari biri-biri betina dalam bulan Mac 1983, disejuk-beku dan disimpan dalam nitrogen cecair selama empat bulan. Embrio tersebut dipindahkan kepada biri-biri lain dan berjaya menghasilkan anak-anak biri-biri.

Teknik ini akan membuka haluan baru dalam proses import dan eksport haiwan-haiwan ternakan dari satu negara ke negara yang lain.

Punca: *Search* Jil. 15 bil 7/8, Ogos/September 1984. m.s. 188

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Bibliografi ini mengandungi bahan-bahan terbitan mengenai pertanian Malaysia yang telah diindeks dari April 1984 - Jun 1984 oleh Pusat Kebangsaan AGRIS dengan kerjasama Perpustakaan Institut Penyelidikan Minyak Kelapa Sawit Malaysia, Perpustakaan Negara Malaysia dan Perpustakaan Institut Penyelidikan Getah Malaysia untuk keperluan AGRIS dan AGRIASIA.

Format AGRIS telah digunakan untuk mengindeks dan penyusunan bibliografi ini dibuat mengikut Pengelasan AGRIS seperti di bawah ini.

Kod	Perkara	
A00	- PERTANIAN (AGRICULTURE)	F05 - Sains Tumbuhan (Plant Science)
A50	- Penyelidikan (Research)	F10 - Kajiucua dan Kajiiklim (Meteorology and Climatology)
B00	- GEOGRAFI DAN SEJARAH (GEOGRAPHY AND HISTORY)	F20 - Sains Tanah (Soil Science)
B10	- Geografi (Geography)	F21 - Biology Tanah (Soil Biology)
B50	- Sejarah (History)	F22 - Fizik dan Kimia Tanah (Soil Chemistry and Physics)
C00	- PENDIDIKAN, PENGEMBANGAN DAN KHIDMAT NASIHAT (EDUCATION, EXTENSION AND ADVISORY WORK)	F23 - Pengelasan dan Genesis Tanah (soil Classification and Genesis)
D00	- PENTADBIRAN DAN PERUNDANGAN (ADMINISTRATION AND LEGISLATION)	F24 - Penyiasatan dan Pemetaan Tanah (soil Surveying and Mapping)
D10	- Pentadbiran (Administration)	F25 - Kesuburan Tanah; Baja (soil Fertility; Fertilizers)
D50	- Perundangan (Legislation)	F26 - Pengurusan dan Sumber Tanah (Soil Resources and Management)
E00	- EKONOMI, PEMBANGUNAN DAN SOSIOLOGI DESA (ECONOMICS, DEVELOPMENT AND RURAL SOCIOLOGY)	F27 - Penyuburan Tanah dan Sistem Tanaman (Soil Cultivation dan Cropping Systems)
E10	- Ekonomi (Economics)	F28 - Memulihguna dan Hakisan Tanah (Soil erosion and Reclamation)
E15	- Pengurusan dan Pengelolaan Ladang (Farm Organization and Management)	F30 - Pembiakbaikan Tanaman (Plant Breeding)
E30	- Tujuan Pembangunan, Dasar, Program (Development Aims, Policies, Programmes)	F40 - Ekologi Tumbuhan (Plant Ecology)
E50	- Sosiologi Desa (Rural Sociology)	F50 - Struktur Tumbuhan (Plant Ecology)
E70	- Pengedaran dan Pemasaran (Distribution and Marketing)	F60 - Biokimia dan Fisiologi Tumbuhan (Plant Physiology and Biochemistry)
F00	- PENGELUARAN TUMBUHAN (PLANT PRODUCTION)	F70 - Taksonomi dan Geografi Tumbuhan (Plant Taxonomy and Geography)
		H00 - PERLINDUNGAN TUMBUHAN DAN HASIL SIMPANAN (PROTECTION OF PLANTS AND STORED PRODUCTS)
		H10 - Perosak Tumbuhan (Pests of Plants)
		H20 - Penyakit-Penyakit Tumbuhan (Plant Diseases)
		H50 - Pelbagai Penyakit Tumbuhan (Miscellaneous Plant Disorders)
		H60 - Rumpai (Weeds)
		H70 - Perlindungan Hasil Simpanan Tanaman dan Ternakan (Protection of Stored Products of Plant and Animal Origin)

K00 - PERHUTANAN (FORESTRY)	M30 - Limnologi (Limnology)
K10 - Pengeluaran Perhutanan (Forestry Production)	M40 - Biology Akuatik (Aquatic Biology)
K20 - Pengurusan Perhutanan (Forest Management)	N00 JENTERA DAN BANGUNAN (MACHINERY AND BUILDINGS)
K50 - Perindustrian dan Teknologi Kayu (Wood Technology and Industries)	N10 - Peralatan dan Struktur Kejuruteraan Pertanian (Agricultural Engineering, Structures, and Equipment)
K70 - Kerosakan dan Perlindungan Hutan (Forest Injuries and Protection)	N20 - Peralatan Ladang (Farm Equipment)
L00 - PENGELUARAN TERNAKAN (ANIMAL PRODUCTION)	P00 - SUMBER ALAM (NATURAL RESOURCES)
L05 - Sains Peternakan (Animal Science)	P05 - Sumber Tenaga (Energy Resources)
L10 - Pembiakbaik Ternakan (Animal Breeding)	P10 - Sumber Air dan Pengurusan (Water Resources and Management)
L20 - Ekologi Haiwan (Animal Ecology)	P12 - Saliran dan Pengairan (Drainage and Irrigation)
L30 - Pemakanan Ternakan (Animal Nutrition)	P20 - Sumber Tanah (Land Resources)
L32 - Memproses Makanan Ternakan (Feed Processing)	Q00 - SAINS MAKANAN (FOOD SCIENCE)
L34 - Mikrobiologi dan Toksikologi Makanan (Feed Microbiology and Toxicology)	Q10 - Memproses Makanan (Food Processing)
L36 - Kandungan Makanan (Feed Composition)	Q20 - Mikrobiologi dan Toksikologi Makanan (Food Microbiology and Toxicology)
L40 - Struktur Haiwan (Animal Structure)	Q30 - Pembungkusan Makanan (Food Packaging)
L50 - Biokimia dan Fisiologi Haiwan (Animal Physiology and Biochemistry)	Q40 - Makanan Penampung (Food Additives)
L60 - Taksonomi dan Geografi Haiwan (Animal Taxonomy and Geography)	R00 - EKONOMI RUMAH TANGGA, PERINDUSTRIAN DAN KERJATANGAN (HOME ECONOMICS, INDUSTRIES AND CRAFTS)
L70 - Sains Veterinar dan Kesihatan (Veterinary Science and Hygiene)	S00 - PEMAKANAN MANUSIA (HUMAN NUTRITION)
L72 - Perosak Haiwan (Pest of Animals)	S10 - Kandungan Makanan (Food Composition)
L73 - Penyakit-Penyakit Haiwan (animal Diseases)	S20 - Fisiologi Pemakanan Manusia (Physiology of Human Nutrition)
L74 - Pelbagai Penyakit Haiwan (Miscellaneous disorders of Animals)	S30 - Makanan (Feeding)
M00 - SAINS AKUATIK DAN PERIKANAN (AQUATIC SCIENCES AND FISHERIES)	T00 - PENCEMARAN (POLLUTION)
M10 - Pengeluaran Perikanan (Fisheries Production)	U00 - BIDANG ILMU TAMBAHAN (AUXILIARY DISCIPLINES)
M20 - Sains Samudra (Oceanography)	U10 - Matematik dan Statistik (Mathematics and Statistics)
	U20 - Dokumentasi (Documentation)

COO: PENDIDIKAN, PENGEMBANGAN DAN KHIDMAT NASIHAT

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E10: Ekonomi

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Istilah Pertanian Pilihan

Bahasa Inggeris

Bahasa Malaysia

a

acidity	- keasidan
acidolysis	- asidolisis
acidometer	- (meter asid)/asidometer
acidosis	- asidosis
acidproof material	- bahan kalis asid
acclinic	- aklinik
aerosol	- aerosol
aerostatics	- (ilmu) aerostatik
aerotriagulation	- penyudutan udara
aerotropic	- aerotropik
aesculin	- aeskulin
aestivation	- aestivasi
afferent	- aferen
analyse	- analisis
analyser	- penganalisis/calat analisis)
analysis	- analisis/analisaan
analysis, blow-pipe	- analisis paip-tiub
astrigent	- pencerut
astrology	- astrologi/ilmu nujum
astronaut	- angkasawan/juru astronotik
astronautic	- astronautik
astronomical telescope	- teleskop astronomi/falak
atom	- atom
atom, activated	- atom diaktifkan
atom, asymmetric	- atom tak semetri
atom building	- pembinaan atom
axis of revolution	- paksi kisanan
axis of symmetry	- paksi kesimetrikan
axis, vertical	- paksi tegak
axon	- akson
axonometry	- aksonometri
azeotrope	- azeotrop

b

ball check calce	- injap kawal bola
ball mill	- pengisar berbola
ball, moth (naphthalene)	- ubat gegat (naftalena)

ballast	- ballas
ballast lamp	- lampu ballas
ballast tank	- tangki ballas
basic quantity	- kuantiti asas
basic radical	- radikal bes
basic rock	- batuan bes
basic salt	- garam bes
basic solvent	- pelarut bes
bend	- liku; selekoh, membengkok
bending compression	- mampatan membengkok
bending moment	- momen membengkok
bending stress	- tegasan membengkok
bending vibration	- getaran membengkok
benthos	- bentos
bimolecular reaction	- tindakbalas dwimolekul
binary	- biner/dedua; perduaan
binary coded decimal	- perpuluhan berkod/dikod
biogen	- biogen
biogenesis	- biogenesis
biogenetic law	- hukum biogenetik
biogenic element	- unsur biogen
bioherm	- bioherma
boil	- didih; mendidih
boil	- bisul
boiler	- dandang
boiler compound	- sebatian dandang
boiler feed pipe	- paip suap dandang
boiler feed water	- air suap dandang
boiler fluid	- bendalir dandang
boracite	- borasit
boral	- boral
borane	- borana
borate	- borat
brewing	- penapaian
brick	- bata
bright line	- garis cerah
brightness	- cerahan; kecerahan
brightness	- cerahan; kecerahan
brightness control	- kawalan kecerahan
brucite	- brusit
bruise	- lebam
Brunner's glands	- kelenjar Brunner
bryophyte	- briofit
bubble	- gelembung; renih
bubble chamber	- kebuk, renih

c

cacodylate	- kakodilat
cacodylic acid	- asid kakodilik
cadastral map	- peta kedaster
cadmiophone	- kadmiofon
cadmium chloride	- kadmium klorida
cadmium oxide/hydroxide	- Kadmium oksida, hidroksida
capture	- tangkap, tawan, penangkapan
capture reaction	- tindakbalas penangkapan
capture (stream)	- sungai tawan
caput epididymis	- kaput
carapace	- karapas
caramel	- karamel
carbamase	- karbamase
caste	- kasta
casting	- leburan; tuangan; penuangan
castor oil	- minyak jarak
castration	- kebiri/kembiri
catabiotic	- katabiotik
chlorohydrine	- klorohidrin
chlorophyll	- klorofil
chloropicrin	- kloropikrin
chloroprene	- kloroprena
choice	- pilihan
choice function	- fungsi pilihan
cholecystokinin	- kolesistokinin
cholesterase	- kolesterase
clast	- klast
clathrates	- klatrat
claustrallite	- klaustalit
clavicle	- tulang selangka
claw	- kuku-cakar
clay	- tanah liat
climax	- klimaks/kemuncak; puncak
cline	- klin
clinical analysis	- analisis-klinik
clinical medicine	- perubatan klinik
closure relation	- hubungan tutupan
clotting	- pembekuan
cloud	- awan
compact	- padat
compact set	- set padat
compactification	- perpadatan
compaction	- padatan
comparison spectrum	- spektrum bandingan
comparison test	- ujian bandingan
comparison tube	- tabung bandingan
compass	- kompas
complex liquid	- cecair kompleks
complex number	- nombor kompleks
complex salts	- garam kompleks

convection of heat	- haba perolakan
convention	- lazim
conventional sign	- tanda lazim
converge	- menumpu
convex	- cembung
convex downward	- cembung ke bawah
convex polygon	- poligon cembung
convex region	- rantau cembung
convex upward	- cembung ke atas

d

dark line	- garis gelap
dark line spectrum	- spektrum garis gelap
dark room	- bilik gelap
day length	- panjang siang
day, lunar	- hari ikut bulan/kamariah
day, mean solar	- purata hari ikut suria
day, sidereal	- hari ikut bintang
decibel	- desibel
decibelmeter	- desibelmeter/meter desibel
diciduous plant	- tumbuhan meluruh
decigram	- desigram
decile	- desil
deciliter	- desiliter
deflocculation	- pemeraian; nyahflokulasi
defoliant	- peluruh-daun/meranggas
denier	- denier
denitration	- penyahnitrat
denitrify	- menyahnitratkan
denitrifying bacteria	- bakteria penyahnitrat
denominator	- penyebut
dense	- tumpat; padat
dense medium	- medium tumpat
derrick	- derik; menara
descending	- menurun
descending order	- tertib menurun
descending power	- kuasa menurun
desclizite	- desklizit
different	- berbeza; pembeza (an)
differentiable	- boleh beza/terbezakan
differential	- kebezaan; pembeza (an)
differential algebra	- aljabar/algebra pembeza (an)
differential attraction	- tarikan pembeza
direct current	- arus terus
direct cycle	- kitar langsung/terus
direct dye	- pewarna terus
direct energy	- penukaran tenaga langsung
conversion	- penukaran tenaga langsung
direct evaporation	- penyejatan langsung
discoidal	- diskoid
disconformity	- diskonformiti
disconnection	- pemutusan

discontinuity	- ketakselanjaraan
disjoint	- terputus; tak bercantum
disjoint finite set	- set terhingga tak bercantum
disjoint set	- set tak bercantum
disjoint subset	- subset tak bercantum

e

eclipse	- gerhana
ecliptic	- ekliptik/satah gerhana
eclogite	- eklogit
ectosarc	- ektosark
ectotroph	- ektotroph
edaphic factor	- faktor edafik
edaphology	- edafologi
edaphon	- edafon
effect	- kesan
effector	- penjejas
efferent	- eferen
efferent arteriole	- arteriol eferen
efferent vessel	- salur eferen
eigen function	- fungsi eigen
eigen value	- nilai eigen
ejaculation	- ejakulasi/pancutan
eigen function	- fungsi eigen
eigen value	- nilai eigen
einsteinium	- einsteinium
ejaculation	- ejakulasi/pancutan
electron synchrotron	- sinkrotron elektron
electronegative	- elektronegatif
electronegative	- radikal elektronegatif
radical	- keelektronegatifan
electronegativity	- elektron; elektronik; keelektronan
electronic	- tindakan elektron
electronic action	- (ilmu) elektrostatik
electrostatics	- elektrostiksi
electrostriction	- elektrosintesis
electrosynthesis	- (ilmu) elektrotermik
electrothermics	- endometrium
endometrium	- endomitosis
endomitosis	- endomorf
endomorph	- endomorfisme/keendomorfisme
endomorphism	- ensembel
ensemble	- enstatit
enstatite	- enterokinase
enterokinase	- struktur enterolit
enterolithic structure	- enteron
enteron	- epidot
epidote	- sifat epigamik
epigamic character	- tastanah/epigeal
epigeal	- epigen
epigene	- epigenesis
epigenesis	

eutectoid	- mirip eutektik
euthenic	- eutenik
euxenite	- euksenit
euxinic	- euksinik
evacuate	- mengosongkan
evaluate	- menilai
evaluated	- ternilai; dinilai
evolute	- evolut
evolution	- evolusi
evolution apparatus	- radas evolusi
evolution, organic	- evolusi organik
evolution, progressive	- evolusi berprogres
excretory	- saluran perkumuhan
exercise	- latihan
exergonic	- eksergonik
exfoliation	- penggelupasan
extreme	- lampau
extremity	- kelampauan
extremum	- ekstremum
extrusion	- jalan luar

f

fan fold	- lipatan kipas
fan-out	- keluar mengembang
fang	- siung/taring
far point	- titik jauh
ferrocene	- ferosena
ferrocium	- ferroserium
ferroelectric	- feroelektrik
ferroelectric effect	- kesan feroelektrik
ferromagnesium	- ferimagnesium
fibrous	- berserabut; berbentuk serabut
fibrous dysplasia	- displasia berserabut
fibrous tissue	- tisu berserabut/bergentian
fiducial limit	- had amanah
field, gravitational	- medan graviti
field intensity	- keamatan medan
field, Lorentz	- medan Lorentz
field, magnetic	- medan magnet
field of view	- medan penglihatan/pemandangan
film	- filem; saput
film badge	- lencana filem
film, intergranular	- filem antarabutir
film slide	- slid filem
film, thin	- saput nipis
finite	- terhingga
finite covering	- tudung terhingga
finite decimal	- perpuluhan terhingga
finite difference	- beza terhingga
finite displacement	- sesaran terhingga
flexure	- fleksur; lipatan
flexure, caudal	- fleksur ekor

F-line	- garis-F
flint glass	- kaca batuapi
flow, back	- alir balik
flow banding	- penjaluran alir
flow breccia	- breksi alir
flow cast	- acuan alir
flow chart	- carta alir
free gold	- emas murni/bebas
free occurrence	- keberlakuan/kejadian bebas
free path	- lintasan bebas
free period	- kala/tempoh bebas
free radical	- radikal bebas

g

geochron	- geokron
geochronology	- geokronologi
geochronometry	- geokronometri
geometrical application-	penggunaan bergeometri
geometrical conversion-	penukaran bergeometri
geometrical description-	perihal bergeometri
geometry, solid	- geometri ruang/pepejal padu
geomorphology	- geomorfologi
geopetal fabric	- fabrik geopetal
geophone	- geofon
geophysics	- (ilmu) geofizik
glue	- glu
glue waterproof	- glu kalis air
glume	- glum
glutamine	- glutamin
glutathione	- glutation
graph	- graf
graph, column	- graf turus
graph, locus	- graf lokus
graph of algebr raic function	- graf fungsi
	- algebra/aljabar
green, bromocresol	- hijau bromokresol
green earth (glauconite)	- tanah hijau (glaukonit)
greenhouse effect	- kesan rumah hijau
gulf	- teluk
gully	- lurah kecil
gum, resin	- gam resin
gumbo	- gumbo

h

hair	- rambut; bulu
hair cell	- sel rambut
hair follicle	- folikel rambut
hair growth pattern	- pola pertumbuhan rambut

halazone	- halazon
haldenhang	- haldenhang
heart-lung preparation-	persediaan jantung paru-paru
heart muscle	- otot jantung
heart rate	- kadar jantung
height	- tinggi
height, barometric	- tinggi barometeran
height of instrument	- tinggi alat
height, pulse	- tinggi denyut
height ratio, base to	- nisbah tapak dengan tinggi
hereditary property	- sifat keturunan
heredity	- keturunan
hermaphrodite	- hermafrodit
hermaphroditism	- hermafroditisme
hermit crab	- umang-umang
heterocyclic	- heterokitar
heterocyclic compound	- sebatian heterokitar
heterocyst	- heterosist
heterodont	- heterodon
heteroeciuous	- heteroesius
high seas	- laut bebas
high-speed	- laju-tinggi
high-speed layer	- lapisan laju-tinggi
high-speed steel	- keluli laju-tinggi
high-spin state	- keadaan spin-tinggi
horse (geology)	- hors
horse latitude	- latitud hors
horse power	- kuasa kuda
horse power unit	- unit kuasa ladam
horseshoe	- ladam
hue	- rona
huebnerite	- hubnerit
huerfano	- huerfano
hum	- dengung
hydrogel	- hidrogel
hydrogen	- hidrogen
hydrogen acid	- asid hidrogen
hydrogen bond	- ikatan hidrogen

i

ileum	- ileum
ill condition	- suasana/keadaan taksihat
ill conditioned system-	sistem bersuasana taksihat
ill conditioning	- persuasanaan taksihat
illinoisian	- (kala) illinois
immunity	- kemanglian/keimunan
immunity, acquired	- keimunan/kemanglian diperolehi
immunity, innate	- keimunan/kemanglian semulajadi
immunize	- memangli/mengimun

immunoassay	- cerakinan-manglian/ imunoasai
inconsistency	- ketakkonsistenan
increase	- tokok/tambah
increasing function	- fungsi menokok/menambah
increment	- tokokan/ketambahan
incretion	- inkresi
induced topology	- topologi teraruh
inducer	- pearuh
inducing catalyst	- mangkin mengaruh
inductance	- kearuhan/induktans
inductance, self	- swa-aruhan/aruhan-diri
inelastic	- tak kenyal
inelastic scattering	- sibaran tak kenyal
inequality	- ketaksamaan
infant	- bayi; awal
infant stream	- sungai awal
infantilism	- kebayan
infect	- menginfeksi/jangkit
infection	- infeksi/perjangkitan
ingoing wave	- gelombang masuk
ingot mould	- acuan jongkong
ingrown meander	- meander teremaja
inherent ash	- abu inheren (t)
inherit	- mewarisi
inosine	- inosin
inosinic acid	- asid inosinik
inositol	- inositol
inpile	- dalam cerucuk
	- inositol
interior	- pedalaman
interior basin	- lembangan pedalaman
interior opposite	- sudut pedalaman
angle	- bertentang
iron pyrite	- pirit besi
ironstone	- batubesi
irradiation	- penyinaran
irrational number	- nombor bukan/tak nisbah
irreducible	- tak terturunkan/ (tak boleh turun)

1

laminated glass	- kaca berlamina
laminated plastics	- plastik berlamina
laminated quartz	- kuartza berlamina
lattice	- kekisi
lattice constant	- pemalar kekisi
lattice dimensions	- matra/dimensi kekisi
lattice drainage	- saliran kekisi
lead	- timah hitam/plumbum
lead acetate	- plumbum asetat
lead chamber crystal	- hablur kebuk plumbum
lead glance	- galena

legumes	- legum
lemma	- lema
lemaniscate	- lemaniskat
lemniscus	- lemniskus
level height	- tinggi aras
level rod	- tongkat aras
level of significance	- (p) aras keertian
level, spirit	- pengaras spirit
level surface	- permukaan rata
littoral drift	- hanyutan litoral
littoral shelf	- pentas litoral
liver	- hati
liver extract	- ekstraksian hati
liver-fluke	- cacing hati
lophophore	- lofofor
lopolith	- lopolit
lorandite	- lirandit
loss	- kehilangan; kerugian
loss count	- bilangan hilang
lunar month	- bulan rambulan
lunar year	- tahun rambulan
lunate bar	- beting sabit
luster	- relap/kilau

m

malic acid	- asid malik
malleable	- (boleh tempa)/tertempakan
malm	- malma
malnutrition	- salah pemakanan
malonic acid	- asid malonik
maganese alum	- tawas manganum
manganese borate	- manganum borat
manganese bronze	- gangsa manganum
manganese carbonate	- manganum (II) karbonat
marine biology	- biologi samudra
marine-built terrace	- undak/teres timbunan laut
marine cave	- gua samudra
marine-cut terrace	- undak/teres samudra
marine denudation	- denudasi samudra
mechanical pyrometer	- pirometer/(meter api) mekanik
mechanical radiation	- sinaran mekanik
mechanical seismograph	- seismograf mekanik
mechanical theory of dyeing	- teori mekanik pencelupan
mechanical twinning	- kembar mekanik
melt	- lebur
melting point	- titik/takat lebur
melting point incongruent	- takat lebur tak kongruen
melting point tube	- tabung takat lebur
meltwater	- air lebur
menthol	- mentol

menthone	- menton	norlutin	- norlutin
mercaptans	- merkaptans	norm	- norma
mercerisation process	- proses merserisasi	normal anticlinorium	- antiklinorium normal
mercurimetry	- merkurimetri/metri raksa	normal at a point	- normal pada titik
metanephros	- metanefros	normal distribution	- agihan/taburan normal
metaphase	- metafasa	normal element	- unsur normal
metaphyte	- metafit	normal equation	- persamaan normal
metaplasia	- metaplasia	normal fault	- unsur normal
metaposition	- metakedudukan	normal glass	- kaca normal
microfabric	- mikrofabrik	number	- nombor
microfarad	- mikrofarad	number of	- bilangan
microfilm	- mikrofilem	number, abstract	- nombor niskala
microfold	- mikrolipatan	number base	- asas nombor
micfoliation	- mikrofiliasi	number, complex	- nombor kompleks
molecular flow	- aliran molekul	nutritional quality	- mutu pemakanan
molecular formula	- formula/rumus molekul	nutritional value	- nilai pemakanan
molecular free path	- lintasan bebas molekul	nylon	- nilon/nylon
molecular frequency	- frekuensi molekul	nymph	- nimf
molecular ion	- iron molekul	nystagmus	- nistagmus
monomer	- monomer		
monomeric	- monomer	o	
monomial expression	- ungkapan monomial	odd	- ganjil
monomineralic rock	- bantuan monomineral	odd against	- peluang kegagalan/tak tercapai
monomolecular	- ekamolekul	odd degree	- darjah ganjil
n		odd electron bond	- ikatan elektron ganjil
negative adsorption	- penjerapan negatif	odd-even nucleus	- nukleus ganjil-genap
negative area	- kawasan negatif	oil-immersion	
negative catalysis	- pemangkinan negatif	objective	- objektif benam minyak
negative catalyst	- mangkin negatif	oil sand	- pasir minyak
negative chemotropism	- kemotropisme negative	oil shale	- serpih minyak
net slip	- gelincir bersih	oil soluble resin	- resin larut minyak
network	- rangkaian	operation	- operasi
network, electric	- rangkaian elektrik	operation of symmetry	- operasi simetri
network, lattice	- rangkaian kekisi	operational	- beroperasi
neurula	- neurula	operational amplifier	- amplifier/penguat operasi
neuter	- neuter	operations research	- penyelidikan operasi
neutral	- neutral	optic nerve	- saraf optik
neutral colloid	- koloid neutral	optic plane	- satah paksi
neutral compound	- sebatian neutral	optical	- optik
niter	- kalium nitrat	optical aberration	- aberasi optik
nitrate	- nitrat	optical activity	- keaktifan optik
nitratine	- nitratin	ore magma	- magma bijih
nitration	- penitratan	ore mill	- pengisar bijih
nitratator	- penitrat	ore separator	- pemisah bijih
nitrogen	- nitrogen	ore shoot	- telerang bijih kayu
nitrogen balance	- keseimbangan nitrogen	organ	- organ
nitrogen cycle	- kitar nitrogen	ornithine	- ornitin
nitrogen fixation	- pengikatan nitrogen	ornithine cycle	- kitar ornitin
nivation	- nivasi		
nobellium	- nobelium	orocline	- oroklin
noble gas	- gas adi	orocratic	- orokratik
noble metal	- logam adi	orogen	- orogen
nocturnal animal	- haiwan nokturnal	orogeny	- orogenesis

orogeosyncline	- orogeosinklin	power function	- fungsi kuasa
orographic rain	- hujan orografi	power of number	- kuasa nombor
orography	- orografi	precedent	- prajadi/preseden/tauladan
oroglogy	- orology	precess	- liuk
oximes	- oksim	precession camera	- kamera liukan
oxolith	- oksolit	precession of	
oxinium compound	- sebatian oksonium	equinoxes	- liukan ekuinoks
oxy-acetylene torch	- suluh oksi-asetilena	precious metals	- logam berharga
oxy-acetylene flame	- nyala oksi-setilena	process, heat reactor	- proses reaktor panas
p		processing	- memproses; pemerosesan
paraboloid	- paraboloid	processor	- pemproses
parachor	- parakor	proctadeum	- proktadeum
paracid	- parasid	prodelta clay	- tanah liat prodelta
parasiticide	- racun parasit	pure line	- garis tulen
paracompact	- parapadat	pure mathematics	- (ilmu) matematik tulen
peak	- puncak	pure shear	- ricih tulen
peak diameter	- diameter/garispusat	purgative	- pencahar
	puncak	purge	- cahar; mencahar
peak zone	- zon puncak	r	
pearlescent pigment	- pigment pendar mutiara	radioactive constant	- pemalar radioaktif
penetration	- penusukan	radioactive	
penetration complex	- kompleks penembusan	contamination	- pencemaran radioaktif
	penusukan	radioactive dating	- pengtarikhan radioaktif
penetration twin	- kembar penembusan	radioactive decay	- pereputan radioaktif
	penusukan	radioactive	
penetrometer	- penetrometer	equilibrium	- keseimbangan radioaktif
penicillin	- penisilin	radiogram	- radiogram
perpendicular	- (tegak lurus)/serenjang	radiograph	- radiograf
perpendicular bisector	- pembahagi dua sama	radiograph, auto-	- auto-radiograf
	(tegak lurus)/serenjang	radiography	- radiografi
perpendicular line	- garis (tegak lurus)/	raft	- rakit sebu
	serenjang	rafted ice	- air (air batu)
perpendicular plane	- satah (tegak lurus)/		tersungkup
	serenjang	rafting	- keapungan
perpendicular slip	- kegelinciran serenjang/	rain	- hujan
	(tegak lurus)	rain forest	- hutan hujan
petrography	- petrografi	rank	- pangkat
petroliferous	- berpetroleum	rank correlation	- korelasi pangkat
petroleogenesis	- petroleogenesis	rank of metrix	- pangkat matriks
petroleum	- petroleum	rank test	- ujian pangkat
petroleum asphalt	- asfalt petroleum	rank furfural test	- ujian cepat furfural
photochromism	- fotokromisme	rapids	- jeram
photoconductivity	- daya foto-konduksi	rate of convergence	- kadar pertumpuan/kadar ketumpatan
photocyanin	- fotosianin	rate of decomposition	- kadar penguraian
photodeposition	- mendakan foto	rate of flow	- kadar aliran
photodissociation	- foto-penceraihan	rate of formation	- kadar pembentukan
plane	- satah	rate of interest	- kadar faedah/bunga
plane correction	- pembetulan satah	rectifiable	- terluruskan/boleh diluruskan
plane figure	- rajah satah	rectification	- pelurusan
plane of flattening	- satah perataan	rectifier	- pelurus/rektifier
power	- kuasa		
power curve	- lengkungan kuasa		
power density	- ketumpatan kuasa		

rectify	- luruskan	shore-line	- garis tepi laut
reduction	- penurunan	shore-line cycle	- kitar garis pantai
reduction formula	- rumus penurunan	shot	- tembakan
reduction, free-air	- penurunan bebas udara	shot depth	- dalam tembakan
reduction, isostatic	- penurunan isostasi	shot hole	- lubang tembakan
reef	- terumbu	similar	- serupa
reef, barrier	- terumbu sawar	similar folding	- lipatan serupa
reef cap	- penudung terumbu	similar matrix	- matriks serupa
reef coral	- terumbu koral	simplex	- simpleks
reef flat	- dataran terumbu	simplicity	- kesimpleksan
rehabilitation	- pemulihan	simultaneity	- keserentakan
reheat cycle	- kitar haba balikan	simultaneous	- serentak
reinforced concrete	- konkrit diperkuat	slope	- lereng; kelerengan
reinforcement	- penguatan	slope, continental	- lereng benua
rejection band	- jalur tolakan	slope, dip	- lereng junaman
relative density	- ketumpatan relatif	slope, gentle	- lereng landai
relative error	- ralat relatif	slope wash	- bahan turun-cerun
relative extremum	- ekstremum relatif	slurry	- buburan
relative frequency	- kekerapan/frekuensi relatif	slurry, pulp	- buburan/hancuran
relative humidity	- kelembapan relatif	slush, cast	- lumpur tuangan
replacement reaction	- tindakbalas penggantian	smalt	- smalt
replica	- replika	souder	- pembunyi
replica grating	- parutan replika	sounding	- pembunyian; duga dalam (geo-fiz)
replication	- replikasi	sounding datum	- datum duga dalam
report	- laporan	sounding line	- dawai duga dalam
s		source	- punca
sample	- sampel	standard state	- keadaan piawai
sample bag	- beg sampel	standard substance	- zat piawai
sample function	- fungsi sampel	standard time	- masa piawai
sample, grab	- sampel pungutan	standard volume	- isipadu piawai
sample part	- bahagian sampel	standardized error	- ralat diapiawai (kan)/terpiawai
scattering	- penyibaran	standardized solution	- larutan diapiawai (kan)/terpiawai (kim); penyelesaian diapiawai/terpiawai
scattering (noun)	- sebaran	stone	- batu
scattering cross section	- keratan rentas sibaran	stone bubbles	- gelembung-gelembung batu
scattering of light	- penyibaran cahaya	stone-cell	- sel batu
scavenge	- garut; mengarut	stone field	- padang batu
scavenger	- penggarut	stopping-potential	- keupayaan penghentian
scrotum	- skrotum	stopping power	- kuasa penghentian
scrubber	- penggosok; pembersih	storage battery	- bateri storan
scrubber tower	- menara pembersih	storage coefficient	- pekali/kofisien storan
scrubbing	- penggosokan	storage unit	- unit storan
scutellum	- skutelum	sucrase	- sukrase
set	- set; siap	sucrose	- sukrosa
set builder notation	- tatatanda pembina set	suction gas	- gas sedutan
set notation	- tatatanda set	synthesis	- sintesis
set squares	- sesiku	synthesize	- sintesis
set theory	- teori set	synthetic	- sintesis
shore	- tepi laut	synthetic chemistry	- kimia sintesis
shore face	- muka tepi laut		
shore, fore (littoral)	- pesisir bawah		

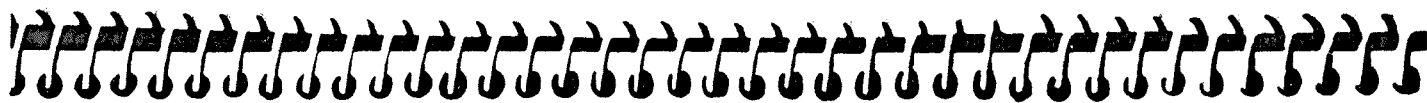
t

tecton	- tekton
tectonic	- tektonik
tectonic breccia	- breksia tektonik
Tesla coil	- gegelung Tesla
test	- uji; pengujian; ujian
test paper	- kertas ujian
test reactor	- reaktor ujian
tetraploid	- tetraploid
tetraspore	- tetraspora
tetratomic	- tetra-atom
tetrode	- tetrod
tetryl	- tetril
thermal burn	- lecur terma; kebakaran terma
thermal capacity	- kapasiti/muatan terma
thermal column	- turus terma
thermal conductance	- konduksian terma
thermal conduction	- konduksi terma
thermal diffusion	- resapan terma
thermal diffusion relaxation	- pengenduran resapan terma
thermal dissociation	- perceraian terma
thermal efficiency	- kecekapan terma
thermal equilibrium	- keseimbangan terma
thiazine dyes	- pencilup tiazina
thiazole yellow	- tiazola kuning
thick-bedded	- berlapis tebal
thickening	- pelikatan; penebalan
thickness	- tebal
tilliplain	- dataran til
tilt	- kejongketan/kesengetan
tilt to	- jongketkan/sengetkan
tilting	- meter kesengetan/kejongketan
timberline	- batas pokok
tincture	- tingtur

tincture of iodine	- tingtur iodin
tinguaite	- tinguaite
tinstone	- kasiterit
tintometer	- tintometer
tissue	- tisu
transparent glaze	- licau lutsinar
transpiration	- transpirasi
transplant	- cedungan
transplant, heterologous	- cedungan heterolog
transplant, homologous	- cedungan homolog
triple	- ganda tiga; tigaan; tiga rangkap
triple bond	- ikatan tigaan
triple line	- garis tigaan
triple molecular collision	- langgaran molekul tigaan
triple phosphate	- fosfat tigaan

w

wave, heat	- gelombang panas
wave height	- tinggi gelombang
wave length	- panjang gelombang
wave, light	- gelombang cahaya
wave line	- garis gelombang
wave period	- kalaan gelombang
wave platform	- pelantar/pentas gelombang
wave, propogation of	- perambatan gelombang
wet analysis	- analisis basah
wet assay	- asai/cerakinan basah
wet bulb thermometer	- thermometer bebuli basah
wet gas	- gas basah
wet process	- proses basah
wrinkle range (moon)	- banjaran kedut
wrinkle ridge (moon)	- permatang kedut
wrought	- tempaan
wulfenite	- wulfenit
wurtzite	- wurtzit



Kalendar Kongres Pertanian

Kalendar ini menyenaraikan seminar, konferens, simposium dan bengkel peringkat kebangsaan dan antara-bangsa mengenai pertanian dan perkara-perkara berkaitan dengannya yang akan diadakan dari bulan Julai hingga bulan Disember 1984. Untuk melengkapkan lagi senarai ini, anda adalah dipelawa untuk melaporkan apa juga maklumat mengenai lain-lain seminar, konferens dan bengkel pertanian yang tidak termasuk di dalam senarai ini.

Julai 23-27

Judul: Workshop on Microfungi
Tempat: UPM, Serdang
Anjuran: UPM/MPPS

Julai 24-26

Judul: Latihan untuk Pengilang Kecil Padi (L)
Tempat: B. Raya
Anjuran: Bahagian Teknologi Makanan, MARDI

Julai 25-27

Judul: Memproses Jem dan Kodial
a) jem nenas
b) Kodial
Tempat: Bukit Ridan
Anjuran: Bahagian Teknologi Makanan, MARDI

Julai 25

Judul: Bengkel Pembungkusan Makanan (L)
Tempat: Serdang, Selangor
Anjuran: Bahagian Teknologi Makanan, MARDI

Julai 31 - Ogos 2

Judul: Jeruk Buah-buahan dan Kerepek
a) jeruk mepelam, cili, betik
Tempat: Serdang, Selangor
Anjuran: Bahagian Teknologi Makanan, MARDI

Ogos 3-8

Judul: Ag-Asia 1984
Tempat: UPM, Serdang
Anjuran: Agricultural Institute of Malaysia

Ogos 6-8

Judul: Memproses Sosej dan Burger
a) sosej daging
b) burger daging
Tempat: Serdang, Selangor
Anjuran: Bahagian Teknologi Makanan, MARDI

Ogos 12-14

Judul: Memproses Makanan Ayam
Tempat: Pasir Putih
Anjuran: Bahagian Teknologi Makanan, MARDI

Ogos 13-15

Judul: International Conference on soils and Nutrition of Perennial Crops
Tempat: Pasir Putih
Anjuran: Malaysian Society of Soil Science

Ogos 20-22

Judul: Jeruk Buah-buahan dan Kerepek
a) jeruk mepelam, cili, betik
b) kerepek pisang
Tempat: Serdang, Selangor
Anjuran: Bahagian Teknologi Makanan, MARDI

September 3-5

Judul: First Regional Symposium on Biological Control
Tempat: UPM, Serdang
Anjuran: MAPPS/Fakulti Pertanian, UPM

September 13-14

Judul: Seminar Kebangsaan Pengurusan dan Penggunaan Sisa-sisa Industri
Tempat: UPM, Serdang
Anjuran: Jabatan Alam Sekitar, Kementerian Teknologi Alam Sekitar, UNESCO/Fakulti Kejuruteraan Pertanian, UPM.

September 19-20

Judul: Memproses Tapai
 Tempat: Serdang, Selangor
 Anjuran: Bahagian Teknologi Makanan, MARDI

September 23-25

Judul: Memproses Sos
 a) sos cili
 b) sos tomato
 Tempat: Tampoi
 Anjuran: Bahagian Teknologi Makanan, MARDI

Oktober 2-4

Judul: Jeruk Buah-buahan dan Kerepek
 a) jeruk mempalam, cili, betik
 b) kerepek pisang
 Tempat: Bukit Ridan
 Anjuran: Bahagian Teknologi Makanan, MARDI

Oktober 15-18

Judul: International Conference on Cocoa and Coconuts - Progress and Outlook
 Tempat: Kuala Lumpur
 Anjuran: Incorporated Society of Planters and the Malaysian cocoa Growers Councils

Oktober 15-18

Judul: Memproses Kulit
 Tempat: Pasir Putih
 Anjuran: Bahagian Teknologi Makanan, MARDI

Oktober 17-24

Judul: Fungicide Resistance Course
 Tempat: UPM, Serdang
 Anjuran: UPM/MPSS

Oktober 30-31

Judul: Bengkel Kebersihan dalam Industri Makanan
 Tempat: Serdang, Selangor
 Anjuran: Bahagian Teknologi Makanan, MARDI

November 5-7

Judul: Memproses Dadeh dan Telur Masin
 a) dadeh
 b) telur masin
 Tempat: Serdang, Selangor
 Anjuran: Bahagian Teknologi Makanan, MARDI

November 11-16

Judul: World conference on the Processing of Palm, Palm Kernel, and Coconut Oils
 Tempat: Kuala Lumpur
 Anjuran: Oil Chemists' Society and PORIM

November 20-22

Judul: Memproses Jem dan Kodial
 a) jem nenas
 b) kodial
 Tempat: Tampoi
 Anjuran: Bahagian Teknologi Makanan, MARDI

November 21-23

Judul: Memproses Roti, Kek dan Biskut
 a) roti
 b) kek
 c) biskut
 Tempat: Serdang, Selangor
 Anjuran: Bahagian Teknologi Makanan, MARDI

November 27-29

Judul: Bengkel Kawalan Mutu Pengeluaran Makanan
 Tempat: Serdang, Selangor
 Anjuran: Bahagian Teknologi Makanan, MARDI

November 28-30

Judul: Jeruk Buah-buahan dan Kerepek
 a) jeruk mempalam, cili, betik
 b) kerepek pisang
 Tempat: Bukit Ridan
 Anjuran: Bahagian Teknologi Makanan, MARDI

Disember 10

Judul: Seminar on Current Research Trend
in Food Science
Tempat: UPM, Serdang
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Makanan, UPM

Disember 12-14

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a) tauhu
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c) fucuk
Tempat: Serdang, Selangor
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