

Bil.	Ketua Kumpulan	Tajuk /Kumpulan Penyelidikan	Kategori	Tarikh Mula	Tarikh Tamat	Status
1	Dr. Syarul Nataqain Baharum	Insentif Penyelidikan: Dr. Syarul Nataqain Baharum	Insentif Penyelidikan	01/06/2014	31/05/2016	Aktif
2	Dr. Wan Mohd Aizat Wan Kamaruddin	Understanding the Molecular Mechanisms of Ripening in Mangosteen ( <i>Garcinia mangostana</i> L.) using a Transcriptomic	FRGS-MOHE	01/12/2014	30/11/2017	Aktif
3	Dr. Sureshkumar Sampath Rajan	Genome-wide identification and functional characterization of novel proteins from <i>Nepenthes ampullaria</i> through transcriptomic approach	FRGS-MOHE	01/12/2014	30/11/2017	Aktif
4	Dr. Maizom Hassan	Identification of novel analog inhibitors of <i>Plutella xylostella</i> farnesol dehydrogenase	FRGS-MOHE	01/12/2014	30/11/2017	Aktif
5	Dr. Wan Mohd Aizat Wan Kamaruddin	Reconstruction of metabolic pathways in mangosteen ( <i>Garcinia mangostana</i> L.) fruit using metabolomics approach	Sciencefund-MOSTI	01/03/2015	31/08/2017	Aktif
6	Prof. Dr. Ismanizan Ismail	Pengukuhan Penerbitan dan Program Penyelidikan INBIOSIS	DPP-UKM	01/04/2014	31/03/2015	Aktif
7	Prof. Dr. Ismanizan Ismail	Production and recovery of sesquiterpene using hairy root culture of <i>Polygonum minus</i>	Arus Perdana-UKM	01/08/2014	31/07/2016	Aktif
8	Dr. Ng Chyan Leong	Structural Studies of Group 21 Allergen from Dust Mites	GUP-UKM	01/08/2014	31/07/2016	Aktif
9	Dr. Goh Hoe Han	Proteomic and Metabolomic Screening of Different <i>Nepenthes</i> Species	Dana Impak Perdana - UKM	13/08/2014	31/07/2016	Aktif
10	Dr. Wan Mohd Aizat Wan Kamaruddin	Proteomic analysis of mangosteen fruit to identify proteins related to xanthone biosynthesis	GGPM-UKM	01/08/2014	31/07/2016	Aktif
11	Prof. Madya Dr. Zeti Azura Mohamed Hussein	Three dimensional reconstruction of protein networks towards understanding the molecular basis of PCOS abnormality	FRGS-MOHE	01/07/2014	30/06/2017	Aktif
12	Dr. Ng Chyan Leong	Selective Microbial Cultivation in Palm Oil to Produce Small Bifunctional Molecules as Precursors for Organic Chemistry	Skim Dana Penyelidikan ETP (Economic Transformation)	01/03/2014	29/02/2016	Aktif
13	Dr. Syarul Nataqain Baharum	Exploration Of <i>Polygonum minus</i> Fragrance Using Hyphenated Gc-Mc-Electronic-Nose (E-Nose) Technology Novel Scent Gene(S)	DANA LONJAKAN PENERBITAN - UKM	01/08/2013	31/01/2015	Aktif
14	Dr. Ng Chyan Leong	Structure-Function Elucidation of A Hypothetical Protein As A Potential Biomarker And Drug Target For Polycystic Ovarian Syndrome (PCOS)	Sciencefund-MOSTI	01/06/2013	30/11/2015	Aktif
15	Dr. Syarul Nataqain Baharum	Increasing Flavonoid Production In <i>Lactococcus Lactis</i> Through Metabolic Flux Analysis	Sciencefund-MOSTI	01/06/2013	30/11/2015	Aktif
16	Prof. Dr. Normah Mohd Noor	Biologi Sistem Tumbuhan dan Mikrob	OUP-UKM	01/04/2014	31/03/2015	Aktif
17	Prof. Dr. Normah Mohd Noor	Development of <i>Nepenthes</i> spp. Prototype for Commercialisation based on Tissue Culture Technology	Dana Inovasi - UKM	01/06/2013	30/11/2014	Aktif
18	Prof. Dr. Normah Mohd Noor	Uncovering the causative mechanism of low temperature sensitivity of shoot tips of a recalcitrant species-mangosteen ( <i>Garcinia mangostana</i> L.)	FRGS-MOHE	16/12/2013	15/12/2016	Aktif
19	Dr. Syarul Nataqain Baharum	Exploration of <i>Polygonum minus</i> fragrance using hyphenated GC-MS-Electronic-nose (E-nose) technology for novel scent Gene (s)	GUP-UKM	01/10/2013	31/03/2015	Aktif
20	Prof. Dr. Normah Mohd Noor	Uncovering the causative mechanism of low temperature sensitivity of recalcitrant species-mangosteen ( <i>Garcinia mangostana</i> L.)	GUP-UKM	19/09/2013		Aktif
21	Prof. Dr. Normah Mohd Noor	Platform Proteomik Untuk Penyelidikan Kompleks	PIP-CRIM			Aktif
22	Prof. Dr. Normah Mohd Noor	Production of Mangosteen Suspension Culture for Scale-up Propagation and metabolite screening through systems biology approach	Skim dana penyelidikan ETP - UKM	01/09/2013	31/08/2015	Aktif
23	Prof. Dr. Normah Mohd Noor	Mapping of metabolites within Mangosteen seed using I-MALDI-MS to elucidate seed Recalcitrance	DANA LONJAKAN PENERBITAN - UKM	01/08/2013	30/04/2015	Aktif
24	Prof. Madya Dr. Zeti Azura Mohamed Hussein	Redefining secondary metabolite pathways via exploration of plant genomes and "missing genes"	Skim Geran Penyelidikan Eksploratori (ERGS)-KPTM	20/05/2013	19/05/2016	Aktif
25	Prof. Dr. Normah Mohd Noor	Pengukuhan Penerbitan dan Jaringan Penyelidikan INBIOSIS	OUP-UKM	01/01/2013	31/12/2013	Aktif
26	Prof. Dr. Normah Mohd Noor	Biologi Sistem Tumbuhan dan Mikrob	OUP-UKM	01/01/2013	31/12/2013	Aktif
27	Prof. Madya Dr. Roohaida Othman	Genomik & Kefungsian Marin	OUP-UKM	01/01/2013	31/12/2013	Aktif
28	Prof. Dr. Ismanizan Ismail	Metabolit Sekunder Mitragnin	OUP-UKM	01/01/2013	31/12/2013	Aktif
29	Prof. Dr. Zamri Zainal	Molecular Approaches for Crop Improvement	OUP-UKM	01/01/2013	31/12/2013	Aktif
30	Prof. Dr. Ismanizan Ismail	Pengukuhan Penerbitan dan Program Penyelidikan INBIOSIS	Dana Pembangunan Penyelidikan	01/04/2014	31/03/2015	
31	Prof. Dr. Ismanizan Ismail	Application of state-of-art degradome technology to determine and analyse the regulatory micro RNAs (miRNAs) of flavonoid biosynthesis pathway in <i>Polygonum minus</i>	FRGS-MOHE	01/04/2013	31/03/2015	Aktif

## SENARAI GERAN PENYELIDIKAN INSTITUT BIOLOGI SISTEM (INBIOSIS)

Kemaskini: Januari 2015

Bil.	Ketua Kumpulan	Tajuk /Kumpulan Penyelidikan	Kategori	Tarikh Mula	Tarikh Tamat	Status
32	Dr. Syarul Nataqain Baharum	Metabolite fingerprinting of <i>Epinephelus fuscoguttatus</i> infected with vibriosis for biomarker discovery	FRGS-MOHE	01/04/2013	31/03/2016	Aktif
33	Dr. Goh Hoe Han	Elucidating the functional role of expansins using Fourier-Transform InfraRed (FTIR) microspectroscopy	FRGS-MOHE	01/04/2013	31/03/2015	Aktif
34	Dr. Ng Chyan Leong	3D Structure analysis of $\alpha$ -farnesene synthase	FRGS-MOHE	01/04/2013	31/03/2016	Aktif
35	Prof.Dr. Ismanizan Ismail	Transgenic Hairy Root Culture of <i>Polygonum minus</i> for the production of $\beta$ -Caryophyllene	Sciencefund-MOSTI	01/10/2012	01/03/2015	Aktif
36	Dr. Goh Hoe Han	Integrated Approach to Improve Local Papaya Varieties Through Anther and Endosperm Culture	Sciencefund-MOSTI	01/10/2012	01/03/2015	Aktif
37	Dr. Maizom Hassan	Enzymatic studies of farnesol dehydrogenase from <i>Polygonum minus</i> leaves (USD8,000)	Antarabangsa	01/02/2012	31/01/2015	Aktif
38	INBIOSIS	Pembelian LCTOF	Dana PIP	01/01/2012		Aktif
39	INBIOSIS	Pembelian Gen Set	Dana PIP	01/01/2012		Aktif
40	Dr. Ng Chyan Leong	Structure Studies of Regulatory Proteins TylQ That Involved in Antibiotic Tylosin Production	GGPM-UKM	01/10/2012	30/09/2014	Aktif
41	Prof. Dr. Normah Mohd Noor	Deciphering the Genome of Mangosteen Through Next-Generation High-Throughput Sequencing and De novo Sequence Assembly	Arus Perdana-UKM	01/08/2012	31/07/2014	Aktif
42	Dr. Maizom Hassan	Development of inhibitor for juvenile hormone III (JHIII) biosynthetic pathway	Sciencefund-MOSTI	01/06/2012	30/11/2014	Aktif
43	Prof. Dr. Normah Mohd Noor	A Novel Metabolomic Approach To Understand Recalcitrant Seed Development And Improve Agriculture Industry	Skim Geran Penyelidikan Eksploratori (ERGS)-KPTM	01/06/2012	01/06/2015	Aktif
44	Prof. Madya Dr. Roohaida Othman	Exploration of Hypothetical Proteins Towards Discovery of Phytoremediation Related Genes in Algae	Skim Geran Penyelidikan Eksploratori (ERGS)-KPTM	01/06/2012	01/06/2015	Aktif
45	Prof. Dr. Zamri Zainal	Using Arabidopsis Transformation System To Explore The Potential Functions of Hypothetical Salt Responsive Genes From <i>Oryza Sativa</i> CV MR219	Skim Geran Penyelidikan Eksploratori (ERGS)-KPTM	01/06/2012	01/06/2015	Aktif
46	Prof. Dr. Normah Mohd Noor	Functional Annotation and Pathway Analysis of Somatic Embryogenesis-related Genes.	Sciencefund-MOSTI	01/07/2012	30/06/2014	Aktif
47	Prof. Madya Dr. Roohaida Othman	Functional Analysis of Phytochelatin Synthase With Phytoremediation Potentials	Sciencefund-MOSTI	01/06/2012	30/05/2015	Aktif
48	Prof. Dr. Zamri Zainal	Improving Rice Traits related to Biotic and Stress using Agriculture Biotechnology	Antarabangsa	30/06/2011	30/06/2014	Aktif
49	Dr. Maizom Hassan	Understanding the regulation of monoterpene biosynthetic pathway in <i>Polygonum minus</i> : kinetic studies, mathematical modelling and simulation	FRGS-MOHE	04/04/2012	03/04/2014	Aktif
50	Dr. Goh Hoe Han	Novel Approach To The Enhancement of Carotenoid Content in Papaya	GGPM-UKM	19/12/2011	18/12/2013	Aktif
51	Prof. Madya Dr. Roohaida Othman	Elucidating the Gaharu Resin and Other Biosynthetic Pathways by Large Scale Transcriptome and Metabolite Profiling	Dana luar	01/12/2011	30/11/2013	Aktif
52	Prof. Madya Dr. Roohaida Othman	Mathematical Model of Enzyme Kinetics Involved in Selected Secondary Metabolite Production	Arus Perdana-UKM	01/08/2011	31/07/2013	Aktif
53	Prof. Dr. Ismanizan Ismail	Transgenic Hairy Root Culture Of <i>Polygonum Minus</i> For The Production of $\beta$ -Caryophyllene	Sciencefund-MOSTI	01/10/2012	31/03/2015	Aktif