

PEREKA 2012

Artikel oleh: Fairendy Fairuz

Pertandingan Penyelidikan & Rekaipita (PEREKA) UMS merupakan pertandingan penyelidikan dan inovasi tahunan yang dianjurkan oleh Pusat Penyelidikan dan Inovasi UMS. Pada tahun ini, PEREKA 2012 telah diadakan pada 22 - 23 Mei 2012 bertempat di Dewan Kuliah Pusat, Bangunan Bahagian Perkhidmatan Akademik. Sebanyak 40 penyertaan dari Sekolah Sains dan Teknologi yang mana terdiri daripada 5 penyertaan Kategori Inovasi dan 35 penyertaan untuk Kategori Penyelidikan. SST telah berjaya meraih 3 Pingat Emas, 9 Pingat Perak dan 9 Pingat Gangsa yang kesemuanya dari Kategori Penyelidikan. Tahniah kepada para pemenang!

BIL	TAJUK PROJEK	KETUA PROJEK	AHLI PROJEK	KLASIFIKASI	ANUGERAH
1	System Design For Enhanced In SITU Monitoring Of Ionizing Radiation Effect In Semiconductor Devices	Assoc. Prof. Dr. Haider F. Abdul Amir	Chee Fuei Pien, Dr. Saafie Salleh	Engineering & Technology	EMAS
2	Comparative Study On The Pan / CNF With Pan / CNT Electrospun Nanofibers For The Potential Application Of Solar Cell	Rubia Binti Idris	Puvaneswaren a/l Krishnan, Dr. Sazmal Effendi Arshad, Dr. Saafie Salleh, Dr. Jahimin A.asik	Engineering & Technology	EMAS
3	Intergration Of GIS Using Geostatistical Interpolation Techniques (KRIGING) (GEOSTAINT-K) In Deterministic Models For Landslide Susceptibility Analysis (ISA) At Kota Kinabalu, Sabah, Malaysia	Rodeano Roslee	Mustapa Abd. Talip, James Anthony Collin	Engineering & Technology	EMAS
4	TDZ Pretreatment: A Potential And Reliable Method For Commercial Plantlets Production Of Kacip Fatimah	Hartinie Binti Marbawi	Assoc. Prof. Dr. Jualang Azlan Gansau, Roslina Jawan, Ozayanna Cyril	Biosciences & Biotechnology	PERAK
5	Rapid Propagation Method For Sabah's Slipper Orchid, Paphiopedilum Rothschildianum	Assoc. Prof. Dr. Zaleha Binti A. Aziz	Makdi Masnoddin, Rimi Ripin	Biosciences & Biotechnology	PERAK
6	Synthesis Of Novel Polymeric Anti-Mycobacterium Drug	Assoc. Prof. Dr. How Siew Eng	Sivakamy Sunthiram	Biosciences & Biotechnology	PERAK
7	Medium Optimization For Mass Proliferation Of Borneo Scentedorchid Vanda Dearei Protocorms For Floriculture Industry	Roslina Binti Jawan	Assoc. Prof. Dr. Jualang Azlan Gansau, Gabriela J. Joeplik, Hartinie Marbawi	Agriculture, Forestry & Food	PERAK
8	Export Price Of Sawn Timber In Sabah: Now And Future? A Mathematical Approach	Hjh. Noraini Binti Abdullah	Tiew Yee Wen	Agriculture, Forestry & Food	PERAK
9	Ultrasonic Assisted Photolysis Process For Wastewater Remediation: A Green Technology Application	Dr. Collin G. Joseph	Sharain Liew Yen Ling, Prof. Dr. Duduku Krishnaiah, Prof. Dr. Awang Bono	Environment & Energy	PERAK
10	Sabah Population Forecast In The New Millineum	Hjh. Noraini Binti Abdullah	Chan Wee Sing	Social Sciences / Humanities / Arts / Educations	PERAK

11	Design And Fabrication Of Ozone Generator For Food Preservation	Assoc. Prof. Dr. Haider F. Abdul Amir	Chee Fuei Pien	Engineering & Technology	PERAK
12	Pb ²⁺ And Cu ²⁺ Removal From Aqueous Media Using Synthesized Modified Silica Gel Using Amidoxime Groups	Dr. Sazmal Effendi Bin Arshad	Eddy Mohd. Farid Mohd Yusslee	Engineering & Technology	PERAK
13	Glycomics And Tandem Mass Spectrometry	Dr. Ivy Wong Nyet Kui	Dr. Anne Dell , Dr. Paola Grassi , Hong Chia Yean	Biosciences & Biotechnology	GANGSA
14	Phytochemical Screening of Oil Palm Roots After Elicitation With Copper Sulphate	Dr. Chong Khim Phin	Rozlianah Fitri Binti Said, Assoc. Prof. Dr. Jualang Azlan Gansau	Biosciences & Biotechnology	GANGSA
15	Phytochemical Study And Antimicrobial Activity From Various Extract Of Cynodon Dactylon (L.) Pers. (Bermuda) Againsts Some Common Pathogens	Dr. Chong Khim Phin	Januarius Gobilik, Syahriel Bin Abdullah	Biosciences & Biotechnology	GANGSA
16	Wideband Piezoelectric Power Generator	Assoc. Prof. Dr. Jedol Dayou	Assoc. Prof. Dr. Willey Liew Yun Hsien, Chow Man Sang	Environment & Energy	GANGSA
17	Greenhouse Gases In Tropical Marine Boundary Layer In Southeast Asia	Justin Sentian	Hans Schlager, Aleesha Abdullah	Environment & Energy	GANGSA
18	Factors Affecting Students' Learning Styles	Suriani Hassan	Norlita Ismail, Khadizah Ghazali And Kamsia Budin	Social Sciences / Humanities / Arts / Educations	GANGSA
19	A Framework Of A Real-Time Fiducial Marker Based In Vision-Based Techniques To Visualize The Coexistence Of The Real And Synthetic 3d Breast Cancer Model In The Identical Real Space	Dr. Abdullah Bade	Siti Hasnah Tanalol, Salina Sulaiman, Rechard Lee	Information & Communication Technology (ICT)	GANGSA
20	Geopolymer Ceramics: Alkali Activation Of Local Kaolinite Clay With Silica And Crystal Evolution Based On Sintering	Dr. Sazmal Effendi Bin Arshad	Baba Musta, Ellyza Syazzana Mohd Zainuddin, Selva Malar Aripitri, Bryan Gindana, Mahd Hamdan Pare	Engineering & Technology	GANGSA
21	Study On The Microstructural And Crystal Phase Evolution Of Fired Kaolinitic Clay From Southwestern Sabah And Its Potential For Porcelain Tiles	Dr. Sazmal Effendi Bin Arshad	Afif Saufi Sallih, Baba Musta, Khamirul Amin Matori, Eddy M. Farid M. Yusslee	Engineering & Technology	GANGSA