
LIST OF PARTICIPANTS

The tolerance improvement of local soybean in waterlogging condition through the combination of irradiation and in vivo selection

TB Saputro, KT Purwani, VS Fatimah, EM Stevia and N Jadid

Identification of Microscopic Fungus in Gill of Skipjact Tuna (*Katsuwonus pelamis* L.) at Traditional Markets in Singaraja – Bali

I A P Suryanti, N L P M Widiyanti, S Tangguda, dan I A K Tridewi

Genotyping SNP Rs12255372 TCF7L2 Gene Using Three-Primer ARMS-PCR for Detection T2DM n Indonesian Batak Ethnic

Syamsurizal and H Kadri

Expression pattern of drought-responsive genes in burley tobacco under in vitro water deficit

N Jadid, E Estiasih, T B Saputro, K I Purwani, D Hidayati, E V Permatasari, W D Kurniawan

Characteristic of synthetic seeds from two medicinal plants (*Moringa oleifera* and *Camellia sinensis*)

W Muslihatin, N Jadid, T B Saputro, K I Purwani, C E S Himayani and A W Calandry

The effect of addition sucrose concentrations toward weight of Nata DE Lontar (*Borassus flabellifer*) Linn

N L P M Widiyanti, S Mulyadiharja, I N Sukarta, N W I Pradnyandari

Potential of yellowfin tuna catch in East Java-Indian Ocean based on length frequency and age distribution

D Hidayati, R Herlambang, N Jadid, N Nailis Sa'adah, N Maulidina and A P D Nurhayati

Cytotoxic activity of andrographolide in colon cancer through inhibition cox-2 by in silico study

N P L Laksmiani, K R Reynaldi, M I Widiastari, I P W Nugraha, I M K Suyadnya and R A I K Maharani

The inhibitory activity of peonidin purple sweet potato in human epidermal receptor-2 receptor (her-2) expression by in silico study

N P L Laksmiani, M I Widiastari and K R Reynaldi

The formation of mini illustrated dictionary of rare plants in the village forest of Penglipuran, Bangli, Bali

N Wijana and I G A N Setiawan

Identification of coral recruitment in Lembongan Island, Nusa Penida, Bali

I N D Prasetia, Supriharyono, S Anggoro and L Sya'rani

The structure of the *Meiozoobenthos* community and its contribution to demersal fishery in mangrove forest ecosystem in Banyuwedang Bay, Buleleng, Bali

I B J Swasta

Silicon chemistry for sustainable development of rice agriculture

I W Karyasa

Bioprospecting of the Balinese marine sponges and nudibranchs

I W Mudianta

Synthesis and characterization of hydrogel composite based on bacterial cellulose-gambir leaf extract (*Uncaria gambir Roxb.*)

A Putra, B A Nugraha and A Amran

Characterization and analysis of the molecular weight of corn corbs microcrystalline cellulose (MCC) fiber using mass-spectrometry methods

W R Kunusa, H Iyabu , M Taufik and D N Botutihe

Numerical solution of SIR model for transmission of tuberculosis by Runge-Kutta method

S Side, A M Utami, Sukarna and M I Pratama

On super (a, d) -edge-antimagic total labeling of Möbius ladder

P K Dewi, I N Suparta and K Y Sumalasia

Graceful labeling for open superstar of complete bipartite graphs $S^2(t, K_{m,n})$

I N Budayana, I N Suparta and N P H Purnamayanti

Classification of breast cancer using Wrapper and Naïve Bayes algorithms

I M D Maysanjaya, I M A Pradnyana and I M Putrama

α - Sutte Indicator: A new method for time series forecasting

A S Ahmar, A Rahman and U Mulbar

Development of Low Sidelobe Level Array Antenna for Synthetic Aperture Radar Sensor

Yohandri, Yulkifli and J T S Sumantyo

Characterization the geometry of the peat soil of Pontianak using fractal method

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Dielectric properties and bioactivity of PVA/PEG/TiO₂ fibers for capacitive based body sensor

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New simple synthesis, crystal system and physical properties of Zn₅S₂ compound

A D Kusumawati, T Suprayogi, M Diantoro, I Dasna and Subakti

Development of digital viscometer based on sensor technology and microcontroller

Yulkifli, Yohandri and R Kurniati

Influence of high energy milling time on nano-quartz structure from West Sumatera

Ratnawulan, A Fauzi and Y Zahara

Testing on porosity of composite material composed by ultrafine amorphous silica (UFAS) from rice husk using X-ray micro-computed tomography

P Widiarini and G B Suparta

Correlation of seismotectonic parameter and seismic quiescence z-value in West Sumatra Indonesia

Syafriani, Yulkifli, A Z Sabarani and F D Raharjo

Effect of sintering temperature on crystal structure and grain size of Manganese Ores from West Sumatera

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Didactical design of integers: an elementary school teachers creation viewed from didactical situation perspective

S Prabawanto, D Suryadi, E Mulyana, D Ratnasari and F Dewi

Effectiveness of problem-based learning to optimize student learning outcomes in regression analysis course

M Susilawati and D P E Nilakusmawati

Scaffolding in problem based learning to increase students' achievements in linear algebra

I N Gita and R A Apsari

Using puzzle to encourage students to do problem posing

I M Candiasa, N Santiyadnya and G K A Sunu

Assessing by doing: A Balinese culture based assessment

N M S Mertasari, I M Yudana and N Gita

Design research on plane figure learning by using picture story and pairing game to improve mathematical communication skills of second grade of primary school students

Lisnani

The development of mathematical learning material based on model-eliciting activities (MEAs) approach to improve mathematical problem-solving skill of students of grade X of Senior High School Padang

Irwan, A Asmar and H Syarifuddin

The effectiveness of mathematics software aided learning tool with performance assessment on student independence and student learning outcomes

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Developing blended learning environment to improve learning performance and self-reliance for junior high school students

I M G Sukawijaya and I G P Sudiarta

Investigation on students' mathematical online discussion: A case study in grade 8 SMPN 1 Denpasar

I G P Sudiarta, I N Sukajaya and I G P Suharta

PISA-like problems using Indonesian contexts

B Murtiyasa, S Rejeki and R Setyaningsih

Integrating ethnomathematics into open-ended problem based teaching materials

I P P Suryawan and Sariyasa

On the implementation of e-learning with mathlet GeoGebra in Analytic Geometry course to improve students' engagement and achievement

G Suweken

The effect of problem based learning model and authentic assessment on mathematical problem solving ability by using numeric ability as the covariable

I K Darma, I M Candiasa, I W Sadia and N Dantes

Exploration of table and graph literacy of statistics student at Universitas Negeri Makassar

M A Tiro, M K A and A S Ahmar

Character building in physics learning for Indonesia children

I M Astra

The identification of the 11th grade students' prior knowledge of electricity concepts

K Suma, I W Sadia and N M Pujani

Types of junior high school students errors in science problem solving

I M Mariawan and N N Parwati

The Effectiveness of problem-based hybrid learning model in physics teaching to enhance critical thinking of the students of SMAN

R Sujanem, S Poedjiastuti and B Jatmiko

The contribution of school climate, achievement motivation, and self-concept to science learning achievement

Surayanah1 and L Karma

The development of smoky glass box as a physics instructional medium on light subject

S Hartini, M Syahrirani, and A Salam

Identification of chemistry teaching problems of a prospective teacher: A case study on chemistry teaching

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