

# BULETIN EDUC 1/2015 FACULTY OF EDUCATIONAL STUDIES

# **Incoming Event**

- International Conference on Educational Research & Practice (ICERP 2015) – 25 & 26 August 2015, Everly Hotel, Putrajaya.
- Forthcoming Issues: International Journal of Education & Training (InjET) – Vol 1, Issue 2 (October 2015)



International Conference on Educational Research & Practice (ICERP 2015)

International Journal Education & Training (InjET)



FACULTY OF EDUCATIONAL STUIDES Deputy Dean Research & Graduate Studies

www.educ.upm.edu.my

Tel: 03-89468111 Fax: 03-89467905



# BULETIN EDUC (1/2015)

# **TEACHING**

INGAURAL SPEECH PROF. DR. AIDA SURAYA



# ABSTRACT

# Developing Students' Mathematical Thinking: How Far Have We Come?

Malaysian students' poor performance in the newly implemented Form Three Assessment (Pentaksiran Tingkatan 3, PT3), TIMSS and PISA had spurred many debates and criticism on the quality of our students' learning in mathematics and science. Since the inception of the Integrated Curriculum for Secondary School in 1989, the aim of secondary mathematics had been steadfast on "developing individuals who are able to think mathematically and who can apply mathematical knowledge effectively and responsibly in solving problems and making decisions". How far have we come? Are the classroom activities, assessment tasks and assessment questions geared towards cultivating mathematical thinking and decision

making? There has been vast misalignment between the intended curriculum (the one prescribed by policy makers), the implemented curriculum (the one that is actually carried out by teachers in their classrooms), and the attained curriculum (the one learnt by students or on what was examined). Can the large number of students getting as in mathematics for Lower Secondary School Evaluation (PMR) and Malaysian School Certificate (SPM) be used as indicators on the success in developing students' thinking?

This paper discusses on what is meant by mathematical thinking. There has not been a conclusive definition on mathematical thinking because some view it as a process or some as outcome. Mathematical thinking is the foundation to do reasoning and problem solving and to develop conceptual knowledge as opposed to procedural knowledge. Several findings of studies that focused on students' ability to provide reasoning and give meanings to concepts and algorithms were highlighted. Students' development in geometric thinking based van Hiele's levels of geometric thinking in learning shapes and spaces is also discussed. van Hiele's levels of geometric thinking includes higher order thinking and decision making skills, and acquisition of mathematical concepts to enable learners to operate at higher levels in van Hiele's theory. The role of metacognition in facilitating mathematical thinking is also deliberated. Metacognition refers to higher order thinking which involves active control over the cognitive processes engaged in learning. The paper also shares on the role of technology in facilitating mathematics thinking.

Overview of students' performance in mathematics in PT3, PMR, SPM, Trends in International Mathematics and Science Study (TIMSS) and Programme for International Student Assessment (PISA) is provided. In concluding on the current status of students' performance in Malaysian school mathematics, the evidences showed that there exists discrepancy between the international standards and national standards used in determining students' performance.

This paper has highlighted that generally, Malaysian students are not meeting the international benchmark for mathematics performance. This may be partially contributed by students' inability to think mathematically, thus they are not able to translate the contexts given and to use mathematics to provide a solution. Factors that may contribute to this phenomenon are further examined from the perspectives of the curriculum, the instruction and the assessment. The present curriculum may not be able to support the initiative to focus on higher order thinking skills (HOTS), as can be concluded from the expected outcomes stated in the curriculum guides. In light of instruction, although it has been suggested since 20 years ago, constructivist teaching has not been a preference of Malaysian teachers. Nevertheless, the shift to school based assessment, the initiative on HOTS and the change in examination format to include more challenging questions such those given in PT3, TIMSS and PISA may well elicit classroom atmosphere that cultivate HOTS as well as critical thinking and creative thinking. To provide support for learning, the school textbooks need to be greatly improved. The contents, contexts and examples do not stimulate students' thinking. As for assessment, as long as the 'teaching for examination' culture is strong and the right concept of school-based assessment is not implemented, not much change will happen in classroom instruction and the aspiration to get our students to think mathematically will be far from reality.

# RESEARCH

# New research projects in 2015

Reseacher	Grants	Title	RM
Arshad Abd Samad	Universiti Pendidikan Sultan Idris	Acquisition of English Pronouns by 3-5 Year Old Children in Malaysia	36000
Umi Kalthom Abd Manaf	Majlis Amanah Rakyat	The Impact of MRSM Homeroom Curriculum on Students Nobel Characteristics and Personality	42000
Ramli Basri	Kementerian Pendidikan Malaysia	Kajian Impak Projek Khas 3K - Cabaran.Cergas.Ceria (3C) dan Projek 3K: Kebersihan.Kesihan.Keselamatan Terhadap Murid	70000
Habibah Abd Jalil	Universiti Putra Malaysia (Putra Science Park)	Market Validation for Establishing Future Classroom System	85000
Mas Nida Md Khambari	Universiti Putra Malaysia GP - IPM	The Role of Sosial,Cultural and Historical Practices in Accommodating The Implementation of Interactive White Board Among School Teachers	50000
Nurzatulshima Kamarudin	Universiti Putra Malaysia GP - Innovation	Influence of Teachers' Competency on the Teaching Performance of Higher Order Thinking Skills (HOTS) in Secondary Science Classroom	57200
Soh Kim Geok	Universiti Putra Malaysia GP -IPS	Designing an Intervention Programme To Improve Physical Activity, Mental Health and Dietary Behaviore Among Undergraduate Female Students in Malaysia	15000
Nor Aniza Ahmad	Universiti Putra Malaysia GP - IPM	Gaya Pembelajaran, Regulasi Kendiri dan Pencapaian Akademik Pelajar-Pelajar di Universiti Penyelidikan IPTA	50000
Siti Aishah Hassan	Kementerian Pendidikan Malaysia FRGS	Cognitive distortion, emotional; suppression and religiosity among victims of 2014/2015 flood in Malaysia: A Psycho -spiritual Model of Post-traumatic Stress Disorder (PTSD) using Electroencephalography (EEG)	83000

# Several publications were published in citation index journal (CIJ) by the authors from Faculty of Educational Studies (selected abstract)

**Samani, E., Nordin, N., Mukundan, J., & Samad, A.** (2015). Patterns of Negotiation of Meaning in English as Second Language Learners' Interactions. *Advances in Language and Literary Studies*, *6*(1), 16-25.

# ABSTRACT

Problem Statement: The Internet as a tool that presents many challenges has drawn the attention of researchers in the field of education and especially foreign language teaching. However, there has been a lack of information about the true nature of these environments. In recent years, determination of the patterns of negotiation of meaning as a way to delve in these environments has grown in popularity.

**Purpose of the Study:** The current study was an effort to determine the types and frequencies of negotiation of meaning in the interaction of Malaysian students as English as a second language learners and, furthermore, to compare findings of this study with correspondent previous studies. To this end, two research questions were posed for this study: (a) what types of negotiation of meaning emerge in text-based synchronous CMC environments? and (b) Are there any differences between findings of this study and previous studies in terms of negotiation of meaning functions in this environment?

**Method:** Participants of this study were fourteen English as second language learners at Universiti Putra Malaysia (UPM). They were involved in a series of discussions over selected short stories. Analysis of students' chat logs was carried out through computer - mediated discourse analysis (CMDA).

**Findings and Results:** This study yielded 10 types of functions in negotiation of meaning, which are clarification request, confirmation, confirmation check, correction or self correction, elaboration, elaboration request, reply clarification or definition, reply confirmation, reply elaboration, and vocabulary check. Furthermore, findings of this study indicated that students negotiated with an average of 2.10 per 100 words. According to the findings of this study, the most - frequently used functions were confirmation, elaboration, and elaboration request and the least frequently used functions were vocabulary check, reply confirmation, and reply clarification. The findings of this study were in line with the findings of previous studies in that the proficiency of the participants influences the amount of negotiation for meaning strategies that occur.

**Conclusions and Recommendations:** Findings of this study will give insight to teachers, learners, and researchers in the field of SLA and will help to sustain their liveliness and curiosity. Taking into account the current situation of Malaysia as the country that host so many international students from all over the world, future studies of these kinds can focus on examining the factor of proficiency in different dyads and its effect on students' interactions in terms of negotiation of meaning.

**Keywords:** Computer – mediated communication (CMC); computer–mediated discourse analysis (CMDA); negotiation of meaning, teaching English as a Second Language; Language learning.

Alias, S. N., & Ismail, M. (2015). Antecedents of philanthropic behavior of health care volunteers. European Journal of Training and Development, 39(4), 277-297.

# Purpose

This paper aims to propose a conceptual model of philanthropic behavior of volunteers in the health care sector.

# Design/methodology/approach

This study is based on an extensive review of past research on philanthropic behavior. To conduct the literature review, keywords such as philanthropy, philanthropic behavior, giving, donating, competencies, volunteering and social network in health care were identified.

# **Findings**

From the literature reviewed, three groups of antecedents of philanthropic behavior among health care volunteers (HCVs) were identified, viz., individual factors, social factors and organizational factors. This paper proposes social network as a mediating variable in linking the three groups of antecedents with philanthropic behavior. The paper offers a number of propositions which explain the proposed model of philanthropic behavior of HCVs.

### **Practical implications**

Further research is suggested to test and validate the framework to provide empirical evidence. Upon model validation, the paper could offer practical interventions for human resource development (HRD) managers to assist philanthropic-based organization toward developing and managing philanthropic behavior of HCVs. The paper highlights the importance of social network to promote individuals to engage in philanthropic actions.

# Originality/value

The paper yields a new approach in theorizing philanthropic behavior among HCVs by integrating the theory of planned behavior, social identity approach and organizational support theory. The proposed social network as a mediator could provide new insights to the HRD practitioners on developing philanthropic behavior among HCVs subject to model validation. The research contributes to literature in philanthropy, HRD and community development.

Cheok, M. L., & Wong, S. L. (2015). Predictors of E-Learning Satisfaction in Teaching and Learning for School Teachers: A Literature Review. International Journal of Instruction, 8(1).

# ABSTRACT

This paper develops a theoretical model of the determinants of e-learning satisfaction in teaching and learning among secondary school teachers. It is based on reviews of past studies on satisfaction in using information technology systems. Three potential groups of determinants of satisfaction among secondary school teachers were identified; user-related characteristics, organisational-related characteristics and the e-learning-system characteristics. Usage is established as a mediating variable between the three potential groups of determinants and satisfaction towards e-learning. Future research could provide a more definitive theoretical statement of e-learning satisfaction and develop an additional proposition which could be derived from a more refined theory. The research yields a theoretical framework that outlines the predictive potential of the three groups of key factors in explaining e-learning satisfaction among secondary school teachers. The factors can be considered when developing future continuous professional development courses and intervention programmes when proposing a new innovation in the curriculum.

Keywords: E-learning, learning management system, satisfaction, usage, secondary school

teachers

**Krauss, S. E., & Hamid, J. A.** (2015). Exploring the relationship between campus leadership development and undergraduate student motivation to lead among a Malaysian sample. *Journal of Further and Higher Education*, *39*(1), 1-26.

# ABSTRACTS

Despite the number of studies investigating the perceived effectiveness of campus-based leadership development programming among undergraduates, most have focused on programme outcomes and few have investigated the role of the campus environment in enhancing students' motivation to lead, particularly in non-Western contexts. To address these gaps, the current study investigated the relationship between perceived campus support for leadership development and both campus leadership involvement and undergraduate students' motivation to lead. Data were gathered from 368 undergraduates from Malaysian public institutions of higher learning. An instrument to measure perceived campus support for leadership was developed through extensive review of the related literature. Exploratory multiple stepwise regression results showed that extent of involvement in leadership on campus, perceived quality of leadership training, perceived leadership opportunities on campus, quality of staff support for leadership on campus and programme of study accounted for a significant amount of the variance in predicting motivation to lead. The results lend initial support for the need for more experiential learning opportunities, high-quality training and greater staff-student engagement to enhance student motivation to lead. The findings draw particular attention to current university leadership training approaches that focus solely on transfer of skills and knowledge, such as those still employed in many universities. Implications for improving undergraduate student motivation to lead are discussed.

Keywords: Leadership; motivation; undergraduates; campus; Asia; Malaysia

**Erica, E., Dolinting, Aminuddin Yusof & Chee Chen Soon. (2015).** Application of Push & Pull Theory in Island Sport Tourism: A Study of Sipadan Island, Sabah. *Journal of Physical Education and Sport*, 15(2), 295 – 304.

# ABSTRACTS

The purpose of this paper is to further the understanding of island sport tourism in Sabah, Malaysia. Specifically, the authors utilised the push and pull theory to examine how motives and destination image attract sport tourists to spend their holidays in Sipadan Island, Sabah, Malaysia. Findings indicate that domestic sport tourists were more significantly motivated by intellectual, social, stimulus-avoidance and competence mastery motives than international sport tourists. With respect to the pull factors, result shows some difference in perceptions of destination image between domestic and international sport tourists. The findings of the study suggest that: (1) market segmentation based on demographic profiles can be identified, (2) four push motives should be emphasized on promotional efforts and (3) unique packages of sport tourism experiences should be developed in regards to sport tourism in Sipadan Island, Malaysia.

Keywords: sport tourism, travel motivation, island tourism, push and pull factors.

# **COMING EVENTS**

# **ICERP 2015 - (International Conference on Educational Research and Practice) on** 25<sup>th</sup> – 26<sup>th</sup> August 2015





#### THE 3<sup>RD</sup>INTERNATIONAL CONFERENCE ON EDUCATIONAL RESEARCH AND PRACTICE 2015 **ICERP 2015**

### Professional Educatorsas Global Leaders

Date: 25th - 26th August, 2015 Venue: The EverlyHotel , Putrajaya

Organiser: Faculty of Educational Studies Universiti Putra Malaysia

The 3<sup>rd</sup>International Conference on Educational Research and Practice ICERP Universiti Putra Malaysia warmly invites you to the 3<sup>rd</sup>International Conference on Educational Research and Practice(ICERP) that will be held from August 25<sup>th</sup> – 26<sup>th</sup> 2015.

Theme: Professional Educators as Global Leaders This international conference will provide an excellent opportunity for teachers,human resource and development practitioners, and scholarsto share knowledge, ideas, and experiences towards new frontiers in the fields of education and human resource and development in the rar of globalisation.

- Objectives: To discuss comparative perspectives on vital issues and challenges that affect professional educators as global leaders To discuss comparative perspectives on vital issues and challenges that affect global leaders To provide a platform for future global networking among scholars, practitioners, and stakeholders in the fields of education and human resource development

#### Sub-Themes:

- Educational Leadership Education and Human Resource Development Commellon Education Britepreneurship and Leadership in Education Potential Enhancement and Caring Education (PEaCE) Language Education Technical and Vocational Education Educational Technology Mathematics and Science Education Sports Education Innovation and Greativity in Education Sustainable Development Global & Gross-Cultural Education Emerging Issues in Education and Human Resource and Development Emerging Issues in Education and Human Resource and Development Emerging Issues in Education and Human Resource and Development Emerging Issues in Education and Human Resource and Development Emerging Issues in Education and Human Resource and Development Emerging Issues in Education, and other fields of SocialScences.

Refereed papers will be published in the conference proceedings. A number of selected refereed papers will be selected to be awarded the Best Paper prize. Authors of selected papers will also be invited to submit an extended version of their works for review and potential publication in the special issues of Middle East Journal of Scientific Research (MEISR). Medission Journal of Learning and Instruction (MILI), and International Journal of Education and Training (InjET).

#### Types of Submission

Types of Submission Submissions should be made to one or more of the following categories, and all submissions will be subjected to blinded peer-review process: Referreed papers: Referreed papers should be submitted as full publishable manuscripts with empirical findings, oras conceptual/qualitative research articles. After acceptance, the full referreed papers should beformatted property with no more than 6,000 words. The best paper awards will be selected from the accepted papers of this category only.

Work-in-Progress Papers: Those who are submitting a work-in-progress paper must provide an extended summary of the proposal paper in no more than 3,000wrds. These papers will be scheduled for presentation, and the abstracts will be included in the conferenceprogramme. Work-in-progress (WIP) papers can be proposed as conceptual framework based on extensiveliterature reviews, or research in progress papers withpartial/preliminary results.

### ission date

Abstract submission deadline: <u>May27<sup>th</sup>, 2015</u> Manuscripts submission deadline: <u>May31<sup>th</sup>, 2015</u> Notice of acceptance to Authors: <u>June 15<sup>th</sup>, 2015</u> Revised camera-ready submission deadline: <u>June 30<sup>th</sup>, 2015</u>

Please send all submissions to the conference secretariat: <a href="https://www.icerp2015@gmail.com/http://www.icerp2015.upm.edu.my">https://www.icerp2015@gmail.com/http://www.icerp2015.upm.edu.my</a>

Early Bird Registration:	RM800(Early fee)
Regular Registration:	RM1000(After June 30th 2015)
Full-time Student Rate*:	RM600

#### rating & Mediating) - RM400

Pre-conference (24th August 2015) 08.30 - 17.00 Day 1(25th August 2015)		Statistical Data Analysis in Research (Moderating & Mediating) Day 2(26th August 2015)	
9.00 - 10.30	Parallel Session	10.30 - 10.45	Coffee break
0.30 - 10.45	Coffee break	10.45 - 12.00	Parallel Session
0.45 - 11.45	Parallel Session	12.00 - 12.45	Keynote Speech 3
1.45 - 12.30	Keynote Speech 1	12.45 - 14.00	Lunch Break
2.30 - 13.15	Opening Ceremony	14.00 - 15.00	Parallel Session
13.20 - 14.30	Lunch Break	15.00 - 15.45	Keynote Speech 4
4.30 - 15.15	Keynote Speech 2	16.00 - 16.30	Closing Ceremony
5.15 - 17.15	Parallel Session	16.30 - 17.00	Coffee break
7.15 - 17.30	Coffee break		
7.30 - 19.00	Putrajava Tour		

Any enquiries can be directed to: Secretariat (ERR2015, Faculty of Educational Studies, Universiti Putra Malaysia. Tei: -603-89467905 Famil: forgr20155 stumm of interp2015

http://www.icerp2015.upm.edu.my/icerp2015@upm.edu.my/icerp2015@gmail.com

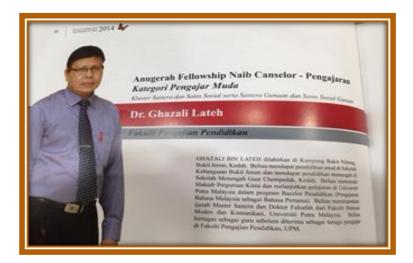
# **International Journal of Education & Training (InjET) First Issues Volume (1) JUN 2015**



# FORTH COMING ISSUES VOLUME 1 (2), 2015 IN BAHASA MELAYU ACCEPTED ARTICLES

- Pengaruh Kepercayaan, Motivasi dan Niat Terhadap Golongan Belia dalam Aktiviti Sukarela di Malaysia Siti Raba'ah Hamzah\*, Turiman Suandi & Azimi Hamzah
- Daya Tahan dalam Kalangan Guru Alaf 21 Mohd Salmi Osman\*, Maria Chong Abdullah, Abdul Aziz Ismail & Samsilah Roslan
- 3. Hubungan antara Faktor Interaksi, Protokol Persembahan dan Aspek Teknikal Terhadap Kepuasan Pelajar Pendidikan Jarak Jauh dalam Pembelajaran dalam Talian Shaffe Mohd Daud\*, Ramli Basri, Mokhtar Hj Nawawi & Idawati Abd. Salam
- 4. Perbezaan Tahap Kesetaraan Umur Visual Motor Integrasi Kanak-Kanak Tadika Shamsulariffin Samsudin\*, Borhannudin Abdullah & Siti Hajar Mat
- Perubahan Prestasi Fizikal dan Tumbesaran dalam Kalangan Murid Berumur di antara 9 Tahun Hingga 12 Tahun Mohd Rozilee Wazir Norjali Wazir<sup>\*</sup>, Saidon Amri & Aris Fazil Haji Ujang

# Congratulation!



A congratulation to Dr. Ghazali Lateh from the Department of Education and Humanities has been selected as the Vice-Chancellor's Fellowship Award 2014 (Category: Young Educators Award) at Majlis Gemilang Akademia Putra.

# Congratulation!

A student of Bachelor of Education (Teaching English as а First Language), namely Tian Ling Wong won the Category Award for the Best Youth Development Volunteer organized by the Ministry of Education. He received the prize of RM1, 000.00 along with a certificate and a trophy.



# SIGNIFICANT EVENT (JAN – JUNE 2015)

2 Febuary 2015 (Workshop LMI)



27 Febuary 2015 (Malay Version) & 6 March 2015 -- Postgraduate New Students



3 March 2015 -- Visit from UCSI University





# 12 March 2015 -- Visit from SMK Durian Tunggal, Melaka



# 13 March 2015 -- MOU with Glyndwr University



24 March 2015 -- MOU with University Japan





26 March 2015 -- Program 5 Sekolah Selangkah ke Menara Gading



2 April 2015 -- Visit from Delegation UNTIRTA, Indonesia



2 April 2015 -- Evaluation Program PBMP JPBK







11 June 2015 -- Visitior from Nigeria



# 19 June 2015 -- Visitor from Bangladesh University



# 18 - 26 June 2015 -- Audit from SIRIM



### **CONTACT US:**

**BULETIN EDUC** merupakan buletin Fakulti Pengajian Pendidikan dan wadah dalam mempromosi fungsi Fakulti Pengajian Pendidikan, UPM.

- 1. Buletin akan dikeluarkan dua kali setahun.
- 2. Maklumat yang disumbangkan akan di susun mengikut fungsi Fakulti iaitu Pengajaran, Penyelidikan dan Penerbitan serta Khidmat Pengembangan dan Profesional.
- 3. Artikel hendaklah ditulis dalam Bahasa Inggeris. Ini adalah bertujuan untuk mempromosi fungsi Fakulti ke luar negara.
- 4. Semua sumbangan boleh dihantar terus kepada sitirabaahhamzah@gmail.com
- 5. Sebarang pertanyaan berkenaan BULETIN EDUC sila majukan kepada sekretariat buletin: Tel: 03-89468133/03-89471131 Email: shahrulraziz@upm.edu.my/eri@upm.edu.my