

Table of Contents

Proceedings of 2018 2nd International Conference on Education and Multimedia Technology (ICEMT 2018)

Preface.....	v
Conference Committees.....	vi
• Session 1- E-Education and E-Learning	
Board games in the Computer Science Class to Improve Students' Knowledge of the Java Programming Language: A Lecturer's Perspective.....	1
<i>Dawid B Jordaan</i>	
Video-based Question Generation for Mobile Learning.....	5
<i>Klinsukon Nimkanjana and Suntorn Witosurapot</i>	
Developing a Mobile-based Digital Math Game for Learning Number and Calculation in Elementary School	9
<i>Ah-Fur Lai, Syuan Shih, and Chi-Rui Hong</i>	
A Model for Language Learning with Crowdsourcing and Social Network Analysis for Community Decision-Making	14
<i>Debopriyo Roy</i>	
Promoting Globalization with Multimedia-based Blended Learning Content in an English Language Classroom in Japan.....	20
<i>Debopriyo Roy</i>	
Study on the Teaching Mode of School-Enterprise Cooperation under the Environment of E-Learning	29
<i>Xin Li</i>	
The Role of Broadband Learning Center (BLC) in Elevating Career Woman Technological Capabilities (Study in Wonorejo, Surabaya)	34
<i>Parlaungan Iffah N, Kiki Awalul Chasanah, and Kartika Nuril Ilmi</i>	
An Interactive and Spherical Panorama for Multicultural City Exploration	39
<i>Meiju Shih and Li-Chieh Chen</i>	
A Study of Developing a Web-based Video Annotation System and Evaluating Its Suitability on Learning	44
<i>Ah-Fur Lai, Wei-Hsin Li, and Horng-Yih Lai</i>	
Analyzing the Current Situation of E-learning at Kabul Polytechnic University.....	49
<i>Hamidullah Sokout and Tsuyoshi Usagawa</i>	

• **Session 2- Education Statistics and Education Management**

The Impact of Professors’ Transformational Leadership on University Students’ Employability Development based on Social Cognitive Career Theory54
Michael Yao-Ping Peng, Tuan Sheng-Hwa, and Wang Han-Yu

The Influence of Thinking Maps on Discovery Learning toward Physics Problem Solving Skills59
Lia Yuliati and Nuril Munfaridah

Interactive Multimedia Electronic Learning (IMEL) Packages on Health Thai Massage Course 64
Supanita Sudsaward and Chalabhorn Suwansumrit

Professional Didactic Text as a Part of Material Didactic Means and Its Creation69
Daniel Kučerka, Eva Ružinská, and Monika Kučerková

Empowering Critical and Creative Thinking Skills through Remap STAD Learning Model75
Siti Zubaidah, Susriyati Mahanal, Farqiyatur Ramadhan, Miswandi Tendrita, and Nur Ismirawati

High School Students’ Attitudes about Socioscientific Issues Contextualized in Inquiry-based Chemistry Instruction 80
Sri Rahayu, Arum Setyaningsih, Anisyah D. Astarina, and Noor Fathi M.

Teachers’ Representation in Solving Mathematical Word Problem 85
Cholis Sa’dijah, Nurrahmawati, Sudirman, Makbul Muksar, and Lathiful Anwar

Innovative Culture-Based English Learning Model for Non-English Faculty Students90
Aryusmar and Muhartoyo

• **Session 3- Software Engineering and Information Technology**

The Preliminary Study of a Mobile Health Application for Visual Impaired Individual.....97
Mariam Mohamad, Wan Ahmad Jaafar Wan Yahaya, and Normala Abdul Wahid

Trend of Malware Detection Using Deep Learning 102
Yoon-seon Lee, Jae-ung Lee, and Woo-young Soh

Users’ Privacy Protection Scheme in Location Based Services 107
Tu-Liang Lin and Pin-Jie Wang

Using Text Mining to Discover Skills Demanded in Software Development Jobs in Thailand 112
Chamikorn Hiranrat and Atichart Harncharnchai

New Media and Education: Analyzing the Approaches to Understand Digital Technologies..... 117
Szu-Wei Chen