

# 2016 APCBEES BALI CONFERENCE ABSTRACT

June 25-27, 2016

Patra Jasa Bali Resort & Villas

Bali, Indonesia



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# Table of Contents

2016 APCBEES Bali Conference Introductions	5
Presentation Instructions	7
Keynote Speaker Introductions	8
Brief Schedule for Conferences	17
Detailed Schedule for Conferences	18
<b>Session 1</b>	
S0002: Measurement of Antioxidant Activity and Structural Elucidation of Chemical Constituents from <i>Aglala oligophylla</i> Miq. <i>Yunle Yeap Soon Yu, Nur Kartinee Kassim, Khalid Hamid Musa, and Aminah Abdullah</i>	19
S0005: Biochemical Properties of Emir Grape Polyphenol Oxidase as Affected by Harvest Year <i>M. Ümit Ünal and Aysun Şener</i>	20
S0007: The Levels of Serum Thyroid Hormone in Sturgeon Populations <i>Jiangqi Qu, Chengxia Jia, Pan Liu, Mu Yang, and Qingjing Zhang</i>	21
S0008: Low Socioeconomic Status among Adolescent Schoolgirls with Stunting <i>Sitti Patimah, Andi Imam Arundana, Ida Royani, and Abdul Razak Thaha</i>	22
S0009: Inulin-Enriched Low Fat Milk Improved Lipid Profile in Indonesian Hypercholesterolemic Adults <i>Fidella, Lina Antono, Astri Kurniati, and Susana</i>	23
S0014: Formation and Cumulation of CO <sub>2</sub> in the Bottles of the Fermented Milk Drinks <i>Bojana Danilović, Lorenzo Cocola, Massimo Fedel, Luca Poletto, and Dragiša Savić</i>	24
S0016: NUCHIFIVE (Nutrition Application for Children Under Five Years) <i>Intan Ayu Ningkiswari, Bintang Mareeta Dewi, and Feri Andriani</i>	25
S2003: Development of Gluten-Free Pasta (Sevaiya) Using Grape Pomace and Assessing its Quality and Acceptability <i>Hiral Savla and Veena Yardi</i>	26
<b>Session 2</b>	
S1004: Health Promoting Potentials of Selected South African Indigenous Leafy Vegetables <i>George G, Ganjifrockwalla F, and Gqaza BM</i>	27
BS-S0002: Precise Measurements of Short-term Memory Function about Periodic Motions <i>Kyota Aoki, Yuki Yamada, and Hisanori Hotta</i>	28

BS-S0006: An Android-Based Pregnancy Predicting System	29
<i>Dony Novaliendry, Yang Cheng-Hong, and Li-Yeh Chuang</i>	
BS-S1003: The Suitability and Efficacy of Perioperative Antibiotics in Relation with the Surgical Wound after Appendectomy	30
<i>Eka Amelia, Bambang Arianto, and Anita Purnamayanti</i>	
BS-S1006: Biocompatible Film Made from Silkworm Cocoon	31
<i>Tjokorda Gde Tirta Nindhia, Zdenek Knejzlik, Tomas Ruml, Tjokorda Sari Nindhia, and I Wayan Surata</i>	
BS-S1007: Antibiotics Efficacy Analysis on Diabetic Foot Ulcer Inpatients	32
<i>Irma Susanti, Bambang Arianto, and Anita Purnamayanti</i>	
BS-S2001: In vitro Synergistic Effects of Snail Slime and Chitosan against Staphylococcus Aureus	33
<i>Agnes Sri Harti, Estuningsih, Heni Nur Kusumawati, Siswiyanti, and Setyaningtyas</i>	
BS-S2002: The Synergistic Effects of Areca Nut Extract and Chitosan toward Candida Albicans in Vitro	34
<i>Rahajeng Putriningrum, Anis Nurhidayati, Tresia Umarianti, Kartika Dian Listyoningsih, and Wahyu Rima Agustin</i>	
<b>Session 3</b>	
CE051: Design of Photovoltaic –Thermal (PV/T) for Building Integrated Photovoltaic Systems	35
<i>Syafaruddin, Satriani Latief, and Wahyu H. Piarah</i>	
W0001: Performance Efficiency and Design Criteria of a Peat System for Treating Septic Tank Effluents	36
<i>Mohd Elmuntasir Ebrahim Ahmed and Abdallah Abusam</i>	
W0005: The Pulse Electromagnetic Fields Effect on pH and Heavy Metal of Water	37
<i>Novan Agung Mahardiono, Hanif Fakhurroja, Veny Luvita, and Sudaryati Cahyaningsih</i>	
W0007: Adsorption of Humic Acid from Aqueous Solution onto PMMA Nanofiber: Kinetics Study	38
<i>Muhammad Ali Zulfikar, Afdal Bahri, and Muhammad Nasir</i>	
W0008: Removal of 2-Bromophenol by Advanced Oxidation Process with <i>In-situ</i> Liquid Ferrate(VI)	39
<i>Fajar Budi Laksono and Il-Kyu Kim</i>	
W0009: Multivariate Statistical Technique for the Evaluation of the Environmental factors and the Cyanobacteria Population in Nakdong River, South Korea	40
<i>Kyeong-deok Park and Il-kyu Kim</i>	
W0010: The Hydrogeology Volcanic Base on Volcanic Facies Groundwater Chemical Content and Stable Isotope Groundwater	41
<i>Mohamad Sapari Dwi Hadian, Hendarmawan, Nana Sulaksana, and Fikri Noor Azy</i>	

W1003: Hydrologic Alteration in Watershed Using Flow Duration Curve, Case Study Upper Citarum Watershed, Indonesia 42

*Hadi Nurcahyo, Indratmo Soekarno, Iwan K. Hadihardaja, and Arief Rosyidie*

**Session 4**

BS-S0007: Comparative Analysis of NLS Sequence Suggests the Evolutionary Origin of Nuclear Matrix Metalloproteinase 7 during Cancer Evolution 43

*Diyora Abdulkhakimova and Yingqiu Xie*

BS-S0011: Rooted Tree Optimization Algorithm for Protein Folding Prediction 44

*Cheng-Hong Yang, Yu-Shiun Lin, Li-Yeh Chuang, and Hsueh-Wei Chang*

BS-S0012: An Application of Expert System for Diagnosing Fever Caused by Viral Infection 45

*Oktoria, Cheng-Hong Yang, and Li-Yeh Chuang*

BS-S0013: Ion Motion Optimization Algorithm Applied to CpG Island Prediction 46

*Cheng-Hong Yang, Ying-Jui Hao, and Li-Yeh Chuang*

BS-S0014: Breast Cancer Risk Prediction Using Ions Motion Optimization Algorithm 47

*Cheng-Hong Yang, Kuo-Chuan Wu, and Li-Yeh Chuang*

BS-S0015: Identification of SNP-SNP Interaction Using Entropy-based Multifactor Dimensionality Reduction in Case-Control Studies 48

*Cheng-Hong Yang, Cheng-Han Wu, and Li-Yeh Chuang*

BS-S1002: Functional Hotspot Discovery Using 3D Chromatin Configuration Reconstructions 49

*Mark Segal*

BS-S3001: Lower Ratio of Collagen's Fibre Type III/Type I and Higher Tensile Strength of Healing in Injured Achilles Tendon in Rabbit Treated with Astaxanthin 50

*Krisna Saputra I Komang Agus, Astawa I Putu, Mulyadi Ridia K G, and Nindhia Tjokorda Gde Tirta*

One Day Visit & Tour 51

Conference Venue 53

APCBEES Forthcoming Conferences 54

Note 56

Feedback Information 57

**Afternoon, June 26, 2016 (Sunday)**

**Time: 13:00~15:00**

**Venue: Gianyar Room**

**Session 1: 8 presentations-Topic: "Food Science & Biochemistry"**

**Session Chair: Prof. Helmut Zarbl**

S0008 Presentation 4 (13:45~14:00)

Low Socioeconomic Status among Adolescent Schoolgirls with Stunting

Sitti Patimah, Andi Imam Arundana, Ida Royani, and Abdul Razak Thaha

School of Public Health Universitas Muslim Indonesia

*Abstract*—In the accelerating decline of maternal mortality, health and nutritional status of adolescent schoolgirls should get more concern by all stakeholders due to adolescence could break intergenerational cycle of poor nutrition in the future. Social and economic aspects are one of the important determinants that influence health and nutritional status adolescent schoolgirls. This study aimed to assess the influence of social-economic factor in the incidence of stunting in adolescent schoolgirls using a cross sectional study design. Subject of the study were 601 of 10th grade girl students in five high schools in Maros district. To determine the stunting in adolescent schoolgirl used height-for-age indices ( $<-2$  SD HAZ-score). SPSS version 18 was used to analyze the data. The prevalence of stunting was 23.6%, found more in subjects who had siblings  $\geq 2$  persons (91.5%), a large family more than 4 people (73.2%), low income family (69.1%), and low education fathers (62.4%) as well as lower education mothers (68.3%). However, only the number of siblings was significantly associated with the incidence of stunting in girls based on the chi-square test ( $p=0.008$ ). It was concluded that adolescent schoolgirls who were stunted from lower socioeconomic groups. Therefore, socioeconomic empowerment of the family should be an important point to address the problem of chronic malnutrition in adolescent schoolgirls.