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1st Sriwijaya International Conference on Basic and Applied Sciences (SICBAS) **2018**

1. Analyzing Characteristics of Songket Palembang Weavers Productivity Using Path Analysis

Irmeilyana[1], Anita Desiani, Ngudiantoro, Salman Alfarisy[2], and Putri Asia Andreani

2. Timetable Creation of BRT Trans Musi Palembang on AAL Ampera Route

Irmeilyana[1], Indrawati, Ali Amran, Reyfaldo Tomy[2]

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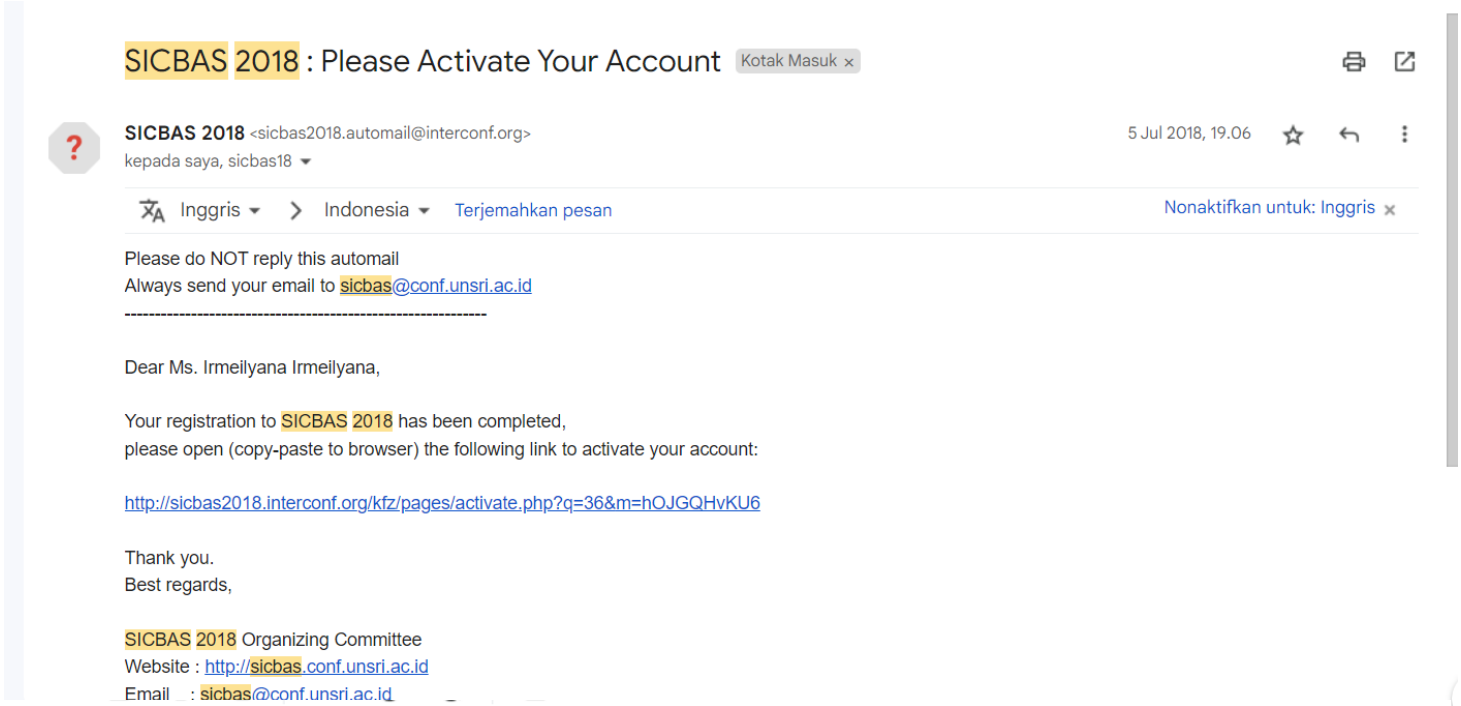

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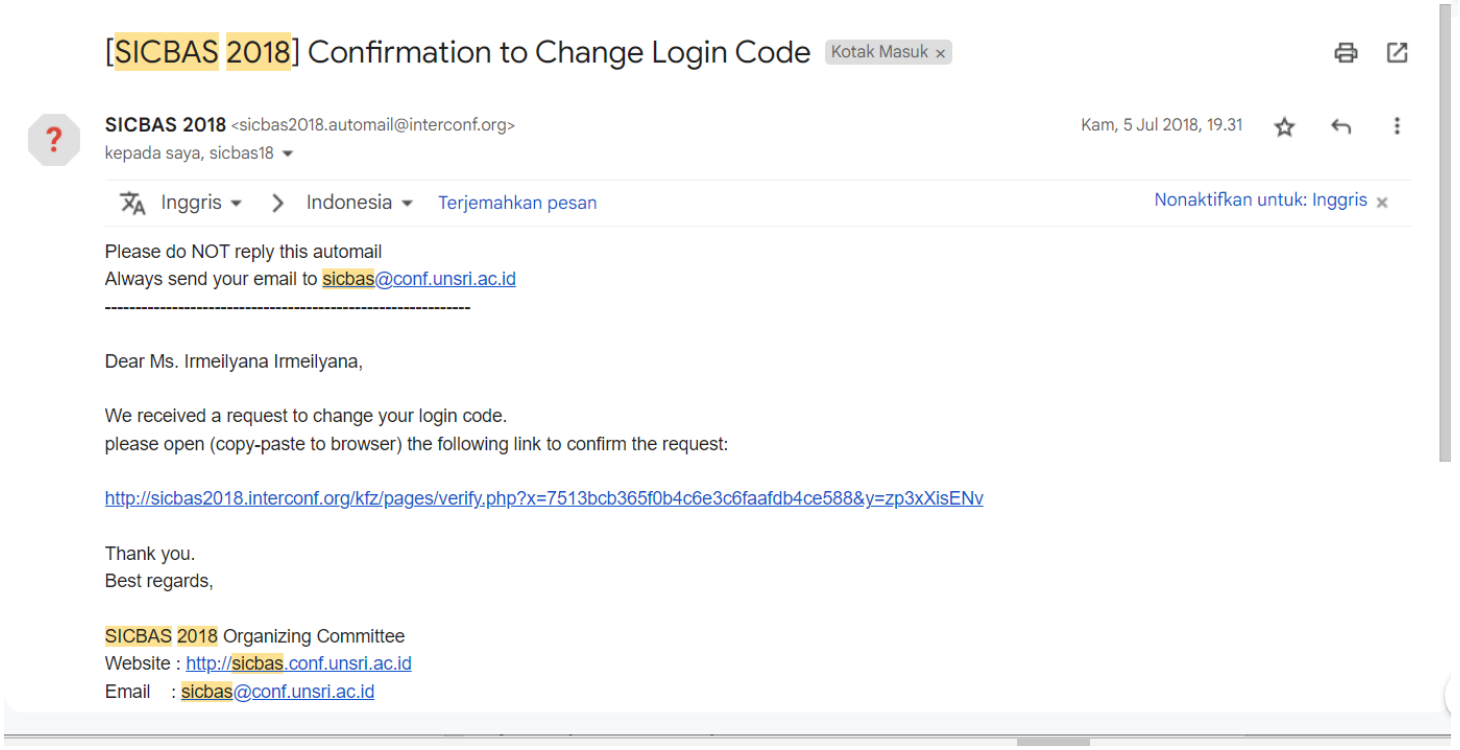

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Title:

Authors:
Irmeilyana, Ngudiantoro, Anita Desiani, Salman Al Farisy, Putri Adia Andreani

---

Title:

Authors:
Irmeilyana, Indrawati, Ali Amran, Reyfaldo Tomy

Institutions:
University of Sriwijaya

Content:
Timetable creation is an integer linear programming in transportation scheduling. In this study, we used primary and secondary data of BRT Trans Musi Kota Palembang on AAL-Ampera route for bus operation time in each of the 2 periods in the morning (i. e. at 6 to 8 am) and afternoon (i.e. at 4 to 6 pm). The aim of this timetable creation is to find the optimal departure time of the bus in minimizing the density of passengers in the bus and in a halte (or tranfer node). We solved the problem by Branch and Bound method. Based on the results, headway in the morning is higher than afternoon time, especially for Ampera - AAL route. This means that passengers transported on the route AAL - Ampera in the morning more than the afternoon. Conversely passengers for the route Ampera - AAL in the afternoon more than the morning. In the morning, the required number of buses AAL - Ampera route is more than the Ampera - AAL route. By contrast, in the afternoon, the Ampera - AAL route is more numerou
s. The start time of operation on both routes in each period is relatively the same.

Keywords:
Timetable, headway, branch and bound method, BRT Trans Musi

•••

Authors:
Irmeilyana, Ngudiantoro, Anita Desiani, Salman Al Farisy, Putri Adia Andreani

Institutions:
University of Sriwijaya

Content:
Most of women in Desa Limbang Jaya work as songket weavers. Their products have good qualities, but their level productivity is low, so it causes the income for them is low. There are characteristics that influence the level productivity of weaver. Path analysis is method that can be used to look for the characteristics that influence the productivity. In this paper, we use path analysis to find exogenous variables that effect directly and indirectly on endogenous variables. Exogenous variables in this paper consisted of: age, education, work period, work motivation, work culture and business motivation. Endogenous variables consisted of productivity and income. The obtained data by purposive sampling method consist of 104 songket weaver respondents. Characters that have a significant influence on the productivity of songket weavers in Limbang jaya is education and business motivation. In the craftsmans income, either with alpha 5% or 10%, no variable has a direct and indirectly sign
ificant effect.

Keywords:
Path analysis, songket weaver, business motivation, productivity of weaver

Topic:
Mathematics and Applied Mathematics

Presenter:
Irmeilyana Irmeilyana

Type:
Oral Presentation

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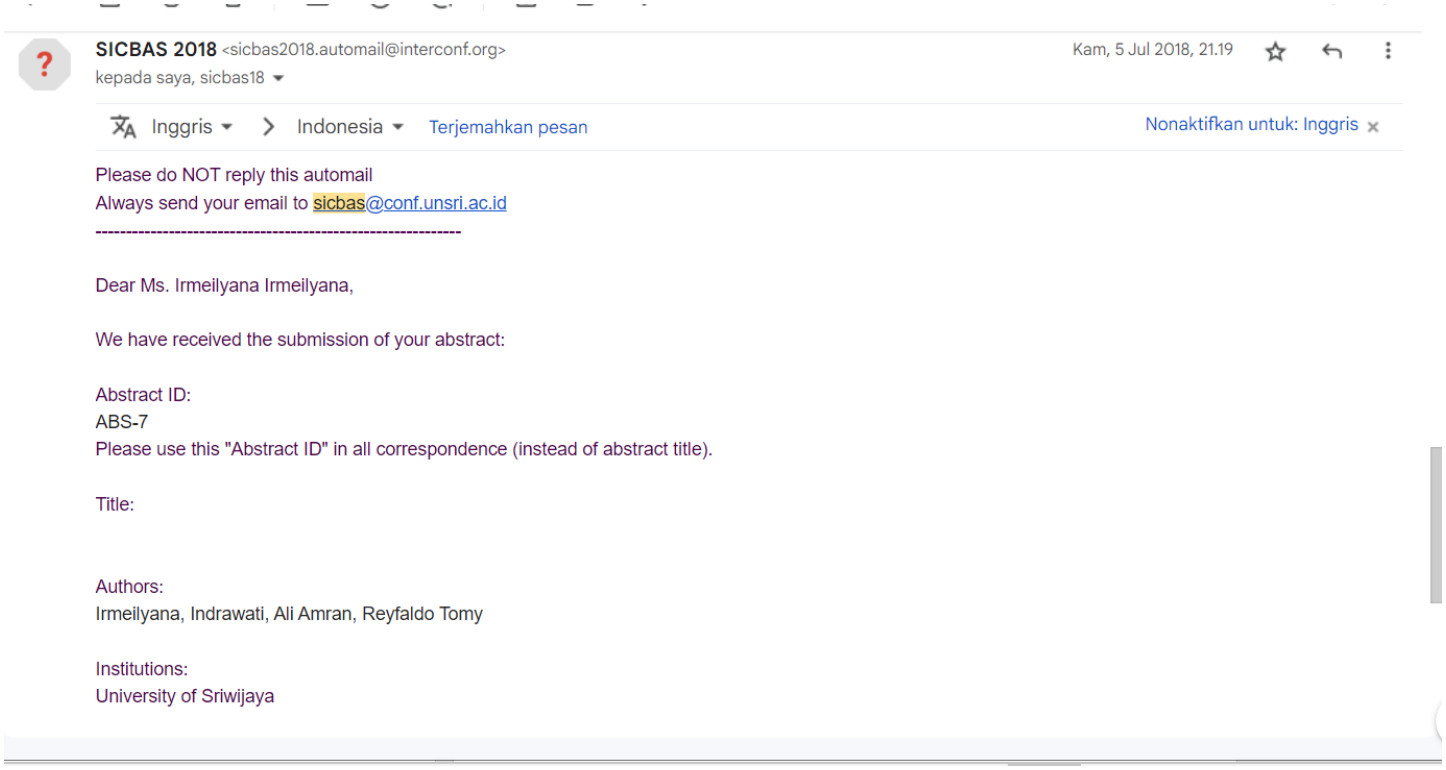

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Institutions:
University of Sriwijaya

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Title:
TIMETABLE CREATION OF BRT TRANS MUSI PALEMBANG ON AAL AMPERA ROUTE

Authors:
Irmeilyana, Indrawati, Ali Amran, Reyfaldo Tomy

Institutions:
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s. The start time of operation on both routes in each period is relatively the same.

Keywords:
Timetable, headway, branch and bound method, BRT Trans Musi

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Title:
ANALYZING CHARACTERISTICS OF SONGKET PALEMBANG WEAVERS PRODUCTIVITY USING PATH ANALYSIS

Authors:
Irmeilyana, Ngudiantoro, Anita Desiani, Salman Al Farisy, Putri Adia Andreani

Institutions:
University of Sriwijaya

Content:
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Keywords:
Path analysis, songket weaver, business motivation, productivity of weaver

Topic:
Mathematics and Applied Mathematics

Presenter:
Irmeilyana Irmeilyana

Important Dates

Abstract submission : ~~July 6,~~ August 6, 2018
Notification of acceptance : August 6, 2018
Full Paper submission : October 6, 2018
Registration payment : October 6, 2018
Conference dates : November 6-7, 2018

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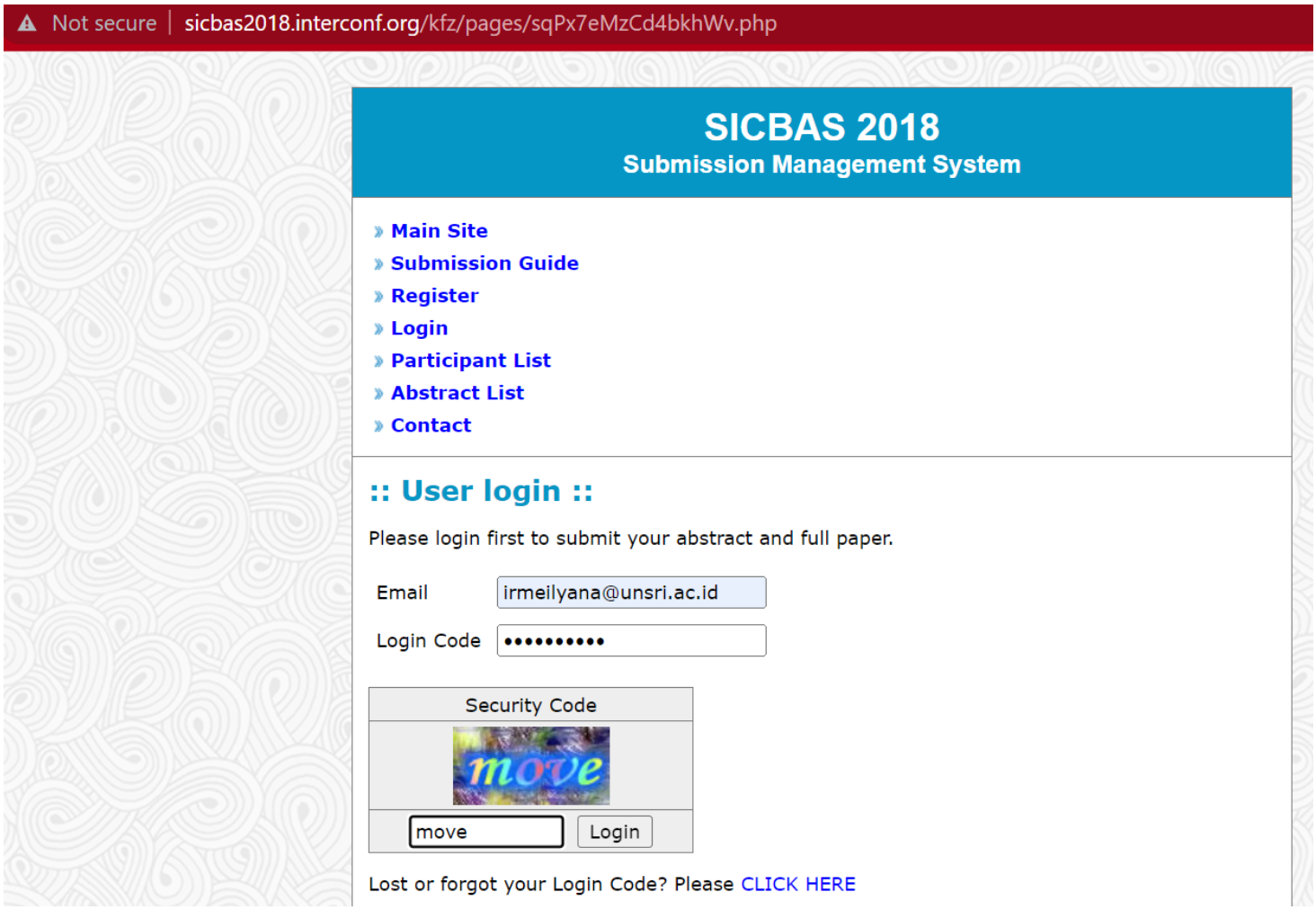

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5. Agus pambudi Dharma
UHAMKA
Indonesia

6. Agus pambudi Dharma
UHAMKA
Indonesia

ABSTRACT LIST

:: Abstract List ::

1	ABS-12	Basic Science Education

THE EFFECT OF INTERACTIVE DEMONSTRATION METHOD ON HEAT ENERGY LEARNING

Ria Triayomi

Primary School Teacher Education, Catholic University of Musi Charitas, Jl. Bangau No.60 Palembang 30113, Indonesia.
e-mail: riatriayomi[at]ukmc.ac.id

Abstract

ABSTRACT: The purpose of this study is to determine whether there is a significant influence in using the interactive

Keywords: Anguilla, freshwater eel, migration, spawning ecology

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89	ABS-6	Mathematics and Applied Mathematics

ANALYZING CHARACTERISTICS OF SONGKET PALEMBANG WEAVERS PRODUCTIVITY USING PATH ANALYSIS

Irmeilyana, Ngudiantoro, Anita Desiani, Salman Al Farisy, Putri Asia Andreani

University of Sriwijaya

Abstract

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Keywords: Path analysis, songket weaver, business motivation, productivity of weaver

PermaLink | Plain Format | Corresponding Author (Irmeilyana Irmeilyana)

90	ABS-7	Mathematics and Applied Mathematics

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Irmeilyana, Indrawati, Ali Amran, Reyfaldo Tomy

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Keywords: Timetable, headway, branch and bound method, BRT Trans Musi

PermaLink | Plain Format | Corresponding Author (Irmeilyana Irmeilyana)

91	ABS-21	Mathematics and Applied Mathematics

The Attainment of 100 Percent Electrification Ratio in the Archipelago of Indonesia by People Way Electricity Initiative

Supriadi Legino(a), Nurmiati Pasha(b), Rakhmat Arianto(c)

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