

2020 AISYIYAH International Conference on Engineering Science and Its Applications (A-ESIA 2020)

IOP Conference Series: Materials Science and Engineering
Volume 1232

Yogyakarta, Indonesia
30 June – 1 July 2020

Editors:

**Deborah Davis
Linda McGowan
Ismail bin Said
Taufiqur Rahman
Wantonoro
Mufdlilah
Besral**

**Ramadiani
Sunardi
Tri Hastuti Nur Rochimah
Andri Pranolo
Andari Wuri Astuti
Luluk Rosida**

ISBN: 978-1-7138-4690-1
ISSN: 1757-8981

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

This work is licensed under a Creative Commons Attribution 3.0 International Licence.
Licence details: <http://creativecommons.org/licenses/by/3.0/>.

No changes have been made to the content of these proceedings. There may be changes to pagination and minor adjustments for aesthetics.

Printed with permission by Curran Associates, Inc. (2022)

For permission requests, please contact the Institute of Physics
at the address below.

Institute of Physics
Dirac House, Temple Back
Bristol BS1 6BE UK

Phone: 44 1 17 929 7481
Fax: 44 1 17 920 0979

techtracking@iop.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

TABLE OF CONTENTS

Preface	
Peer review declaration	
NiO Supported on Porous Carbon From Merbau Wood: Synthesis and Characterization	1
<i>D Santi, Triyono, W Trisunaryanti, I I Falah</i>	
Benchmarking Naïve Bayes and ID3 Algorithm for Prediction Student Scholarship	8
<i>I M K Karo, M Y Fajari, N U Fadhillah, W Y Wardani</i>	
The Acceptance of Primary Health Centre Information System Among Health Staff: An extended TAM Model.....	15
<i>Laili Rahmatul Ilmi</i>	
Prospect for Designing Wearable Devices for Children’s Asthma Attack Detection Based on Internet of Things and Cloud Computing	23
<i>A. I. Wicaksono, R Sahtyawan, D Hariyadi, F E Nastiti</i>	
Production of Gummy Confection using Seeds Gum from Durio zibethinus Seeds	31
<i>K Y Kai, S I Zubairi, I H Shaiful Hisham, M Y Ying, G V Lynn, N N Lani, F F Fazial, Z Nurzahim</i>	
Structural Equation Model (SEM) Correlation Between Work Breakdown Structure (WBS), Work Method and Risk Towards Cost Of Safety On Low-Cost Apartments Project.....	39
<i>R Hadwiansyah, Y Latief</i>	
Risk Assessment of Electronic Archive Services using Octave Allegro Method (Case Study: SIKN JIKN).....	48
<i>R A Herdianto, K Ramli, Y Suryanto</i>	
Forecasting of Freight Demand Transportation (Case Study in Lampung Province, Indonesia)	55
<i>T Junaedi</i>	
Enhancing the flexural load capacity of the reinforced concrete beams using Dramix 3D 80/60 BG steel fibres	66
<i>V A Noorhidana, M Isneini, A M Putra</i>	

Author Index