

# Prosiding Sri Wiwoho Mudjanarko 26

*by* Sri Wiwoho Mudjanarko

---

**Submission date:** 05-Oct-2020 01:59PM (UTC+1000)

**Submission ID:** 1405489878

**File name:** 26.\_Prosiding.pdf (667.98K)

**Word count:** 682

**Character count:** 3765

## **Framework of improving the quality and lower the cost build for the real estate industry in Indonesia**

**Dr. Dani Harmanto**

Research for Advanced Design and Simulation  
University of Derby  
Derby, DE22 3AW, United Kingdom  
[d.harmanto@derby.ac.uk](mailto:d.harmanto@derby.ac.uk)

**Agus Sukoco**

Faculty of Economy  
Universitas Narotama  
Jl. Arief Rachman Hakim 51, Surabaya 60117, Indonesia  
[Agus.sukoco@narotama.ac.id](mailto:Agus.sukoco@narotama.ac.id)

**M. Ikhsan Setiawan**

Civil Engineering Department  
Universitas Narotama  
Surabaya, 60117, Indonesia  
[Ikhsan.setiawan@narotama.ac.id](mailto:Ikhsan.setiawan@narotama.ac.id)

**Dr. H. Sri Wiwoho Mudjanarko ST., MT.**

Pro-Vice Chancellor  
Universitas Narotama  
Jl. Arief Rachman Hakim 51, Surabaya 60117, Indonesia  
[sri.wiwoho@narotama.ac.id](mailto:sri.wiwoho@narotama.ac.id)

### **Abstract (12 font)**

Indonesia is currently on the fast forward of developing new housing, sky building, apartment, offices and malls. Evidences suggested that they implement a specific method to ensuring development meet to the target both in time and cost. However, the evidences also suggested that the quality of build are at comprised on several areas in Indonesia. There are number of different methods use by different real estate to achieve their goal. The purpose of this paper is therefore to investigate of the method used by the real estate and develop a new method using the six sigma approaches to improved their quality of build, lower the cost and ensuring consistency of the supply chain for the materials and labour. This paper will provide the data analysis and present the finding. To achieve this, data from REI (real estate Indonesia) will be used and literature review will be critically used as a guidance. The outcome of this paper will benefit for the real estate in term of cost and quality of build.

### **Keywords (12 font)**

1

*Proceedings of the International Conference on Industrial Engineering and Operations Management  
Bandung, Indonesia, March 6-8, 2018*

Real estate Indonesia, Six sigma, House build.

## **Biographies**

Include author bio(s) of 200 words or less.

**Mr. Ikhsan Setiawan** is a Pro Vice chancellor responsible for the International collaboration at Universitas Narotama Surabaya. He graduated from Surabaya Institute of Technology on the transportation solution. His interest is on the development of new product for improving productivity for the small and medium enterprise.

**Agus Sukoco** is currently a senior lecturer at Universitas Narotama. He graduated from ITS and continue his master degree on Management economy. He is currently is the Director finance of the research centre of Universitas Narotama. He had number of secure funding from Ministry of Higher education and also number of books published in Indonesia.

**Dr. Sri Wiwoho** is a Pro Vice chancellor and also the head of the research at Universitas Narotama Surabaya. He graduated from Surabaya Institute of Technology on the transportation solution. His interest is on the development of new material for the road and also the transportation solution

2

**Dr. Dani Harmanto** is currently the acting programme leader (course director) of BEng (Hons) Motorsport Engineering and senior lecturer in automotive Engineering at University of Derby. He had secured number of funding from UK and Local government for knowledge transfer partnership for developing a novel product. He obtained his mechanical engineering degree from ITN Malang, Indonesia. His MSc and PhD in Automotive Engineering from Coventry University, United Kingdom. He is also a Chartered Engineer (CEng). He is sitting in the committee of Education and Training at Institution of Engineering Designer (IED), United Kingdom as a member. He is also a member of the Automobile division at the Institution of Mechanical Engineering (IMechE), United Kingdom. In addition to this, he is a Fellow Member of Higher Education (FHEA) in the UK. He is mainly teaching at undergraduate and master level (Thermofluids, CFD, FEA and Design). His main research interests include computational fluid dynamics, finite element analysis, and renewable energy. His current research concerns the reduction of the jet noise using Computational Fluid Dynamics with one of the world announce jet engine manufacturer. He is a member of reviewers for Proceeding of Institution Mechanical Engineering part A – Z and several other journal publications.

## ORIGINALITY REPORT

---

<b>10%</b>	%	<b>10%</b>	%
SIMILARITY INDEX	INTERNET SOURCES	PUBLICATIONS	STUDENT PAPERS

---

## PRIMARY SOURCES

---

- 1** B. Busahmin, B.B. Maini. "Measurements of Surface Tension for Mineral and Crude Oil Systems", Defect and Diffusion Forum, 2019  
Publication **5%**
- 2** Reyes, Jose Arturo Garza, Harshad Sudhir Parkar, Ilias Oraifige, Horacio Soriano Meier, and Dani Harmanto. "An empirical-exploratory study of the status of lean manufacturing in India", International Journal of Business Excellence, 2012.  
Publication **2%**
- 3** Pratima Verma, R.R.K. Sharma. "The linkages between business strategies, culture, and compensation using Miles & Snow's and Hofstede culture framework in conglomerate firms", Benchmarking: An International Journal, 2019  
Publication **1%**
- 4** Joshua A. Depiver, Sabuj Mallik, Dani Harmanto, Emeka H. Amalu. "Creep Damage of BGA Solder Interconnects Subjected to Thermal **1%**

# Cycling and Isothermal Ageing", 2019 IEEE 21st Electronics Packaging Technology Conference (EPTC), 2019

Publication

---

---

Exclude quotes      On

Exclude matches      Off

Exclude bibliography      On