

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

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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)

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

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.