

## ABSTRACT

The construction industry plays a vital role in infrastructure development and improves the socio-economic status with employment opportunities and contribution to gross domestic progress (GDP) of countries. Construction project is complex, high-risk and challenging. Poor performance of construction projects is a global issue. Project success is when it is completed on time, on budget, and achieves the performance goals. One of the variables that can predict and increase the probability of successful project is the competencies of project manager. The competencies of project manager are the variable that can be prepared by the organization to increase the project success rate. Poor project performance can be caused by incompetent project managers and low-quality project managers are human factors that can lead to project failures.

Based on the aforementioned above researcher decided to map and measure the success factor of project manager competencies in construction industry with systematic literature review and continued with Delphi consensus survey method. Researcher conducted systematic literature review started with selecting and screening the related journals from reputable sources; From the results of systematic literature review then process continued to two rounds Delphi consensus approach.

There were 3 additional success factors from the Delphi interview participants, i.e., spiritual intelligence, managing diversity and agility. The result of consensus of the success factors of project manager competencies in construction industry were: 1) leadership, 2) technical skill, 3) planning, 4) monitoring and control, 5) result orientation, 6) financial and commercial, 7) communication. Based on the research through systematic literature review and then continued with Delphi consensus survey approach, the seven project manager competencies were the factors that influence to enhance the construction project success. The findings of this research reveal that both literature review approach and experts interview approach agreed that project manager competencies closely related with project success and agreed that there were success factors of project managers competencies. The objective of this study is to identify the success factor of project manager competencies in construction project then eventually increasing the probability of project success rate and eventually can contribute positively to the company profit and company sustainability.

Key words: construction project, project manager, competency, project success, success factor, mapping and measuring