PROGRAM OF QUANTITY SURVEYING
DEPARTMENT OF BUILT ENVIRONMENT STUDIES AND TECHNOLOGY
FACULTY OF ARCHITECTURE, PLANNING AND SURVEYING
UNIVERSITI TEKNOLOGI MARA PERAK BRANCH

# CONSTRUCTION WORKERS' PRODUCTIVITY AS AN INDICATOR TO THE SUCCESSFUL PROJECT PERFORMANCE

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**PREPARED BY:**

**NUR ATIKAH BINTI ROSLI (2019672466)**

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# ABSTRACT

Labor productivity is an important measurement technique for measuring project performance in the construction sector. The productivity on the job site determines how well a project performs. The performance of the construction sector will be determined by how it compares to other industries. Construction sectors are considered labor-intensive since they rely largely on the skills of their personnel. As a result, contractors must work as efficiently as possible in order to optimize the impact to the project performance. Contractors have been found on construction sites in recent years disregarding worker productivity and its influence on overall production. This study was conducted to determine the essential approaches for increasing construction employees' productivity and, as a result, the project performance. The aim of this research is to identify the elements that influence construction worker productivity, quantify the effects of construction worker productivity on project performance, and propose the best strategies for increasing construction worker productivity in a construction project. A set of questionnaires was given to 367 contractors, primarily in Perak, who are classified as Construction Industry Development Board members (CIDB). According to the findings of 100 respondents, the most important methods for improving construction workers' productivity and project performance are precise planning and scheduling, on-time salary payment and improved worker benefits, on-time material availability, and better working conditions, particularly in terms of safety. Furthermore, recognizing the factors impacting labor productivity and their effects on project performance can assist construction players in improving productivity and project performance.

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## 2.2.3 RESEARCH BACKGROUND

The construction sector in Malaysia is critical for producing revenue and enhancing Malaysians' quality of life by translating government plans into social and economic infrastructures and buildings (Masrom et al., 2015). Additionally, it employs roughly 800,000 people, or approximately 9.3 percent of the total workforce, and has a multiplier impact on other industries, such as manufacturing, financial services, and other professional services. According to (Carvalho, 2015), Malaysia is still trailing behind other countries in this regard. Australia, China, and the United States, for example, have all improved their efficiency in the construction sector. Productivity of labour has a considerable effect on the timeline, cost, and quality of a building project. (2016) (Kazaz et al.).

According to research by (Chappelow J., 2020), labour productivity, also known as workforce productivity, is a critical instrument for measuring project success in the construction sector. Industry's greatest advantage is its labour force, as it is largely reliant on their talents. Reduced project productivity has long been a key source of worry for the construction industry. Productivity is the most debated issue in the construction business due to its essential relevance to the profitability of building projects. Additionally, (Patel, Bhavsar, and Pitroda, 2017) base their assessment of a project's performance on the site's productivity. And it is this performance that determines how the construction sector compares to other industries.