

ABSTRACT

Variation order, mostly found in construction projects. The existence of variation orders on a project is often associated with additional costs and time of work. Variation orders do have a direct impact on the costs of the project, but have an indirect impact on the time of work. As an important part of a project, correlation analysis between variation order with additional time of work needs to be done. Based on the type of works performed, construction work can be divided into 4 types, structural works, architectural works, MEP (Mechanical, electrical, and plumbing) works, and infrastructure works. The analyzed data are obtained from developer A. The analysis is done by looking for a correlation between the value of variation order of each type of work with the additional of work time for each type of work. The results of the analysis indicate a correlation between variation order of structural works and additional time of structural work, then correlation between variation order of architectural work and the additional time of architectural and MEP works, then correlation between variation order of MEP work and the additional time of architectural and MEP works, last but not least correlation between variation order infrastructure work with the additional time of infrastructure works.

Key words : *Variation Order*, additional work