Pengembangan Indikator Kinerja Supply Chain pada Proyek Konstruksi Bangunan Gedung

Deskripsi Lengkap: https://lib.ui.ac.id/detail?id=20304712&lokasi=lokal

----

Abstrak

The fragmented nature of the construction industry can be alleviated by implementing the concept of "lean construction, " particularly supply chain management. Studies on the performance of supply chains in manufacturing industry are accessible, however, its adaptation in developing performance indicators of supply chains in construction industry is much needed. The development of performance indicators suitable for the construction industry is discussed in this paper. These indicators can be used as tools for evaluating the performance of supply chains in the context of their efectiveness and efficiency during production process towards lean condition, on Indonesian construction projects. The attempt to formulate these indicators involved identifying the types of data commonly recorded on typical large construction projects, based on _field surveys. The survey was supported with literature study on the indicators used in manufacturing industry for possible adaptation. The potential application of the initial set of indicators were then verified on several construction sites, and resulted in ten indicators recommended for application on large construction projects. Because most large projects have implemented comprehensive data recording system, these data should optimally be used for analyzing the production process in the efforts to minimize wastes. It is recommended that contractors improve their data recording systems by adding monitoring of material arrivals, formulating standard forms, and documenting customers' complaints. This can benefit a contractor efforts in providing the value demanded by the client, but also the satisfactory of and positive cooperation from other stakeholders in the supply chains.