THE INFLUENCE OF SUPPLY CHAIN ON BUILDINGS CONTRACTOR PERFORMANCE IN JEMBER

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ABSTRACT

Success of contractor performance in project level is not only depend on manager or company leader, but cooperation from all parties who involved in construction implementation process. Parties who involved in these construction process indirectly will form construction supply chain. Key aspects to reach supply chain that are regulating material flow, information flow, and financial flow from supply chain activities. General approach in determine success or not a construction project by evaluating performance where aims from client such as cost, time and quality can be reached. This research aim to knowing factors of building construction supply chain and its effect toward contractor performance. Factors of supply chain will analyzed encompassed material flow, information flow, and financial flow.

This research using survey method with questionnaire aid in project manager, field manager, technique manager and administration/finance manager in building construction project in Jember. Statistic method used here is confirmatory factor analysis to identifying construction supply chain factors and structural equation model analysis with program Analysis of Moment Structure (AMOS) version 16.0, used to recognize supply chain toward contractor performance.

The result of the research indicating that information flow influenced work plan revision, incomplete design detail, implementation problem, supplier performance. Material flow influenced material quantity, material quality and lead time. Financial flow influenced with payment smooth, payment frequency, cash flow project and material price changes. Material flow and financial flow have positive significant toward contractor performance, material flow have stronger influence (0.848) on contractor performance than financial flow (0.382). While information flow have insignificance influence toward contractor performance.

Keywords : supply chain, contractor performance, structural equation model