MODEL DEVELOPMENT OF MATERIAL SUPPLY CHAIN TO MINIMIZE THE RISK IN SHIPYARD

By : Budiawan
Student Identity Number : 4107203715
Supervisor : Ir. Heri Supomo, M.Sc

ABSTRACT

The development of today's increasingly complex business with many of the issues more complicated. Competition among companies demanded that matured in the calculation of any decision made, so that every decision made to contribute to the continuation of the company. Practitioners and academics, then look for approaches that are able to incorporate a variety of interests within a framework that provides benefits for companies. One approach that could be done in a collaborative effort to conduct a business called Supply Chain Management (SCM).

Supply chain management in its development, like any other business activities have risk, where risks can not be eliminated but can be processed based on the needs of the company. One method used to identify, analyze and manage risk is by using Failure Modes and Effects Analysis (FMEA)

In the shipbuilding industry material procurement activities greatly affect the price level of ships, more than 50% of production costs is the cost to ship the material, even for passenger ships can reach its 75%. This research will be identifying, analyzing and evaluating the potential risks arising in supply chain management by using the FMEA that will help shipyard to increase the productivity of the shipyard.

Keywords: SCM, Risk Management, FMEA, Shipyard.