ABSTRACT

In this final assignment, the shipyard in which will be the object in this final assignment are P.T. Ben Santosa Shipyard, P.T. Najatim Dockyard, Pelni Surya Shipyard and P.T. Tambangan Raya Permai Shipyard. In this research, we identified the key performance indicator at work of ship repair and also measure the performance of each key performance indicator as according to condition of shipyard. The Method which is used in determination of key performance indicator is Integrated Performance Measurement System (IPMS).

The key performance indicator have been got then weighted at each key performance indicator with Analytical Network Process method. Then continued by system scoring with Objective Matrix (OMAX) and is afterwards conducted by assessment with traffic light system to identify key performance indicator which need to get more attention.

Determination the key performance indicators at the middle level of shipyard at Surabaya yield 21 indicators found on 11 objectives and is summarized in 4 criteria. Input criterion include; cover 3 indicators that is usage of man hours, accuracy of material and also material which is inappropriate of specification. Process Repair criterion include; cover 8 indicators that is indicator damage of pump, damage of tug boat, damage of crane, damage of grinder, damage of welding machine, damage of machine of sand blast, speed of process of replating, welder have certificate. At System Management criterion there are 8 indicator that is docking utility, delay of employees, absence of employees, accident of activity, ability finish letter proffering of repair, S-Note, draft of bill and also indicator finish invoice. At criterion of Output there are 2 indicator that is indicator of rework and also docking days.

Pursuant to assessment of performance hence dockyard of P.T. Tambangan Raya Permai have best performance value at middle shipyard in Surabaya.

Key words: Key Performance Indicator’s, Integrated Performance Measurement System, Analytical Network Process, Scoring system.