

**REPLATING PROCEDURE IMPROVEMENT AT PT. BAROKAH
GALANGAN PERKASA USING THE SIX SIGMA METHOD**

By : Hanesti Dwi Kumoro Putri
Student Identify Number : 09191030
Supervisor : Taufik Hidayat. S.T.,M.T.,MRINA
Co-Supervisor : Rodlian Jamal Ikhwani, S.T., M.T.

ABSTRACT

The shipbuilding industry in Kalimantan generally provides shipbuilding designs and ship repairs. One of the services provided is replating or plate replacement. Many of the shipbuilding industry in Kalimantan, one of which is PT. Barokah Galangan Perkasa which provides shipbuilding and repair services. The need for excessive plate material when Replating slowly can be detrimental to the company because it will generate a lot of waste material, based on this, the company needs to minimize the need for plates according to the required needs by improving the current Replating procedure to a new procedure. A new procedure is suggested by adding a new step, namely estimating the need for plates before the plates are ordered and recording if there are plates left over after the Replating activity has been completed. This aims to reduce the accumulation of waste material and it is hoped that this residual material can be used as well as possible by PT. Baroque of Mighty Shipyard.

Keywords: *Replating procedure, Six Sigma method*