ABSTRACT

The productivity improvement in every company often unpredictable and somehow the productivity could reach at the very low level, which is unexpected. There is indication of declining productivity in factory II Phonska fertilizer at PT. Petrokimia Gresik, which is involved so many factor in the production process.

The research uses the OMAX methods to measure the productivity. From the measurement, the result would give information if there’s improvement or declining productivity. It would tell the risk and the mitigation based on the framework of AS/NZS 4360:2004.

The result of this research is the extreme risk in factory II that produces Phonska fertilizer. Particularly, related to labor productivity and the productivity of raw material usage phosphoric acid. Risk mitigation on the productivity usage of raw materials namely phosphoric acid to clean the clogged line feeding and cleaning the screen. This is done to reduce product defects, therefore, no use of phosphoric acid in excess of the target. Mitigation on the use of phosphoric acid is a raw material saving of phosphoric acid.

Key words: Productivity, Objective Matrix (OMAX), Risk Management, AS/NZS 4360:2004