

ABSTRACT

The purpose of this study is to measure and improve productivity using OMAX (Objective Matrix) at Plant C of PT Pardic Jaya Chemical. In addition, fishbone diagrams are employed to detect factors causing productivity decrease and assess the most influential causes of CTQ (Critical to Quality) to facilitate the proposed improvements. To calculate the productivity levels with OMAX , 6 criteria has been set based on potential objectives. The monthly productivity indexes from January to December in 2013 are 116%, 175%, 153%, 153%, 115%, 136%, 159%, 82%, 130%, 178%, 151%, and 95% respectively. By means of the fishbone diagrams, the causative factor numbers for criteria 1 to 6 are 16, 11, 17, 7, 11, and 6 consecutively. Based on the evaluation criteria using the CTQ, 20 improvements are proposed to prevent the productivity decline at Plant C of PT Pardic Jaya Chemical.

Keywords: Productivity, OMAX, Objective Matrix, Fishbone Diagram, CTQ, Critical To Quality