

ABSTRACT

The development of human civilization has also spurred an increase in the needs and desires of both the number, variety type, and Quality levels. These developments pose a challenge to be able to fulfill these desires in a way meaning an abilities and produce it. Increased delivery capacity or production of goods is an effort that must be undertaken by the company to meet the needs effectively and efficiently. One area that affected the development of computer technology is the field of Maintenance Management. Maintenance Management, according to the American Management Association, Inc. (1971), is routine, repetitive work is done to maintain the condition of the production facilities to be used in accordance with its function and its actual capacity efficiently. This contrasts with the improvement. Maintenance (Maintenance) is also defined as a combination of various measures taken to keep an item in, or fix it to a condition acceptable (BS3811, 1974 in Corder, 1992).

Of these problems, there arose an idea to create Windows-based applications to help problems in the areas of Maintenance, which also can perform calculations, management, and data collection. The programming language used is C # where the application is used is Microsoft Visual Studio 2012.

With the calculation of OEE and RCM applications can simplify the calculation of OEE (Overall Equipment Effectiveness) and RCM (Reliability Centered Maintenance) so that the results obtained can be seen easily and according to the calculations have been done.

Keywords: OEE, RCM, LTA, C #