

ABSTRACT

In the process of working machinery will decrease in Reability and productivity when used in a long time. In term of Reability are called warranty terms. Warranty has the definition as a form of protection from the manufacturer to the consumer if the product was damaged in compliance with aspects of the manufacturer or that has been agreed with the consumer before the purchase of the product.

Agency for the Assessment and Application of Technology is the body of this research is part of the Agency for the Assessment and Application of Technology (BPPT), Since the beginning of operations in 1994, BTMP has worked with various groups originating from research institutes, universities, technical departments of government, non-governmental organizations departments, professional organizations and industry engaged in the field of thermodynamics, heat transfer and combustion engine. facilities and the ability of a state asset that needs to be used together in order to advance the Indonesian industry in the era of global markets. In this study machine that studied were absorpion chiller that serves as the air conditioning in a Structure or buildings.

The results of data processing and analysis of damage that occurred during 2011 - 2014 that is 17 damage to critical parts are known Mean Time Between Failure (MTBF). It is known that the optimal policy for the warranty on the engine is 4320 hours with combination warranty policy and cost of Rp. 3.656.611,96

Keywords : warranty, reliability, deterioration