

KELAYAKAN PEMAKAIAN INSTALASI LISTRIK 450 VA SETELAH PEMAKAIAN 10 TAHUN

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ABSTRACT

A good quality of electrical installation is highly dependent on the implementation of the standard electrical installation regulation namely PUIL 2000. Considering in principle the goal of enforcement for the security of people, goods and supply of electricity that is safe and sufficient. But after a certain period of electrical installation is expected to experience changes in both quality and quantity. Based on that, the researchers conducting research, aiming to determine the feasibility of using home lighting installation in use for more than 10 years as many as 104 homes with a capacity of 450 VA at Keerom District West Koya, this research will reveal the five indicators that include the installation of home insulation resistance, cross cable, grounding resistance, the condition of the home installation and security installation (MCB). Data collection techniques used include : measurement technique using measuring instrument called a megger and insut ruler, measurement and observation of the five indicators in each home installation and data analysis techniques used were analytical scoring (rating).

Results of measurement, observation and analysis of scoring on each indicator of home lighting installation and compared with standard values of PUIL 2000 include : the level of installation resistance feasibility and feasibility level of cable cross-section considered unsuitable for use reaches 100% feasibility level installation conditions for all lighting installations of 104 houses only 43 homes that are considered unsuitable for use reached 41,34 %, and 61 homes are considered not suitable to be used to reach 58,65 % feasibility level of safety installation that are considered improper wear rate reached 59,61 % and the feasibility of grounding resistance for all home lighting installation is not used and are considered not suitable to be used to reach 0% . it can be concluded that the level of home lighting installation feasibility of the five indicators that is not feasible to use many as 42 houses to reach 40,38 % and feasibility level home lighting installation is considered unsuitable for use as many as 62 houses to reach 59,61 %

Key words : Installation, Score Indicators, level eligibility.