Laboratory Infrastructure Hardware
Competence and Academic Achievement of Students At Eye Training Assembly Installation Maintenance Repair Computers In SMK Piri 1 Yogyakarta

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ABSTRACT

Practice of laboratory infrastructure is one of supporting the achievement of the academic competency test in the eyes of productive training, especially in the eyes of Assembly Installation Maintenance Repair Training Computer (IPPPK). This study aims to determine the condition of facilities and laboratory infrastructure for the practice eyes Hardware IPPPK training, and to know whether the hardware facilities and laboratory infrastructure to support student achievement of academic competence.

This research is a descriptive study conducted to determine the value of variables without making a comparison or compare with others. Object of research is a means of laboratory infrastructure SMK Hardware Piri 1 Yogyakarta and the competency test students in grade X on the eye training IPPPK academic year 2010/2011. Penelitianya instrument using a checklist that is used at the time of observation by the rating scale model Rating Scale. Data collection techniques used in research by observation, documentation and interviews. Then analyzed using descriptive statistical analysis using the percentage calculations. To determine the level of achievement of the laboratory standard hardware used four criteria: excellent, good, bad and not good.

The results of this study indicate that the laboratory infrastructure SMK Hardware Piri 1 Yogyakarta based on minimum standards of infrastructure required by the Minister of National Education Regulation No. 40 of 2008 for the broad aspects of the laboratory has a percentage of 82.06%. Hardware Laboratory Facility has a percentage of 88.88%. Means of storage space to get the percentage of 61.11%. Laboratory facilities to get a percentage of the overall hardware 79.68% is included in both criteria and competency test results indicate that the entire class X school year 2010 / / 2011 are competent in the practice of competency testing IPPPK with an average value of 7.50.