

RANCANG BANGUN SISTEM INFORMASI PRAKTIK KERJA INDUSTRI BERBASIS APLIKASI MOBILE

(Studi kasus : SMK PIRI 1 Yogyakarta)

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ABSTRAK

So far, the management of industrial work practices (prakerin) at SMK PIRI 1 Yogyakarta has not been managed properly. Data management of industrial work practice students is still in the form of printed documents and pasted on bulletin boards so that information can be lost or damaged. The management includes the submission of industrial work practices, assessment of students and student attendance at industrial sites. Based on these problems, this study aims to design and create a mobile application-based industrial work practice information system at SMK PIRI 1 Yogyakarta. The industrial work practice information system is designed using a waterfall development model consisting of analysis, design, implementation, and testing. This mobile application system is built using sketch ware based on an android mobile application and uses a firebase real time database. An industrial work practice information system based on a mobile application can make it easier for students to apply for an internship place directly through their respective smartphones, so as to cut time from the internship application stage. The system created can make it easier for supervising teachers to carry out the process of monitoring and assessing prakerin reports. The system can also record student, teacher and industry data and display student grades and attendance at the internship in real time.

Keywords: *Information system, Industrial Work Practice, Mobile Application*