ABSTRACT

Information systems can provide information that is received from a device that has

been equipped with a supporting component in order to be connected with information

systems. Tool monitoring system can also benefit from the information to display, store data

that has been obtained from the monitoring tool. Information system monitoring tool that

integrates with berupah helmet project that detects the temperature of the environment, the

user's heart rate and helmet, buzzer, to facilitate a coordinator overseeing the conditions of

workers in the field.

To overcome these problems, in this final project created a website berupah

information system that can transmit information conditions of workers, by way of storing

and displaying data that has been retrieved from the "Helmet Project Arduino-based" that

can send user environment temperature data helmet, the helmet, the user's heart rate

mendetaksi gas exist around the helmet users and information systems can also perform

controls on the helmet by turning on the buzzer in the helmet project-based Arduino. All

danger being detected every notification there will be sensors either on the website berupah

are red and the writing on his helmet is marked with menyalannya buzzer if gas sensors and

temperature sensors detect danger with a tone that is different from the controls through the

website

Of the subjective test results, obtained score 3.8866 Then performasi application

website for monitoring user helmet-based Arduino stated quite well and the results of testing

the functionality successfully 100%. Thus it can be said with the presence of workers,

monitoring of the website easier and more efficient.

Keywords: Helmet project, Arduino, website, monitoring.

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