Arduino-based Web Surveillance Training For Teacher's Subject of Electronic Engineering in DIY

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ABSTRACT

STEM + Education in its report states that the world's learning development program over the next 4-5 years is wearable devices. This term is used to mention technology that connects between accessories with sophisticated computers / electronic devices. This forces alignment in learning in preparing the learning material. This alignment is done by adding related material. In the curriculum 2013 in SMK there are data communication materials that is about the interface and know at a glance about hardware communications, algorithms and programming concepts. The effort of aligning and updating of technology and learning materials is done by UNY as center of excellence in the field of education to educators in SMK through data communication training with Web Surveillance material with Arduino Microcontroller based. The training was conducted for 32 hours consisting of 14 hours of tutorial and the rest of the task independently. The trainees are limited to a maximum of 20 participants. This activity was followed by teachers of Electronic Engineering and conducted in FTTH FT UNY laboratory on 18 - 19 July 2017.

Kata Kunci: *training, web surveillance, Arduino*