

# **Braille Hijaiyah Elektronik sebagai pendukung pembelajaran mandiri siswa tunanetra di SLB A Yaketunis Yogyakarta**

**by Ardy Seto Priambodo, Anggun Winursito, Oktaf Agni Dhewa**

## **ABSTRACT**

Indonesia is a plural country with a majority of followers of Islam. As many as 86.88% or 236.53 million of the 272.23 million Indonesian population have Islamic beliefs (Ministry of Home Affairs, 2021). We can understand that blind people in Indonesia still do not get full attention from the government, especially in learning the Qur'an. Even though apart from the learning objectives of the Qur'an, the government has launched regulations as outlined in Article 31 of the 1945 Constitution by stating "Every citizen has the same opportunity to obtain education" which means that the blind have the right to receive the same opportunities as other children in education. . This can be seen in the process of teaching and learning activities at SLB A Yaketunis which is located on Jl. Parangtritis 46, Manrijeron, Kec. Manrijeron, City of Yogyakarta Prov. IN. Yogyakarta. It still requires the development of adequate learning media in blind schools, including in SLB A Yaketunis. Seeing this, a community service activity was held to develop suitable Braille learning media at SLB A Yaketunis. The development of the tool as well as the implementation of trials and tool settings were carried out at the Electronic Engineering Laboratory, FT Yogyakarta State University. Testing is done by turning on the tool and ensuring that the tool can work as expected. In addition to testing the tool, tool settings are also carried out which include setting the sensitivity of the sensor button when touched and adjusting the volume of the sound produced by the tool so that it will be as expected. After the tool is developed according to the needs of partners, it is then implemented in partners. The application of tools at partners aims to help blind students in the process of learning braille hijaiyah letters independently. So far, the learning process has always been carried out with the assistance of teachers, so that the learning process can only be carried out in schools. The hope with using this tool at SLB Yaketunis is that students can borrow tools from the school and bring them home to be used as a process of learning Braille hijaiyah independently. Program evaluation will also be carried out in the long term. The program continuity plan is to hold a collaboration between the Electronic Engineering Education Study Program, the Faculty of Engineering and SLB A Yaketunis Yogyakarta related to several programs such as Real Work Lectures (KKN) and Direct Learning Practices (PPL). Through KKN and PPL activities, this service program will continue to be evaluated and developed by students and field supervisors. So that the service program which aims to help the learning process of blind students at SLB A Yaketunis will continue to be carried out and will be even better in the future.

Kata Kunci: *Braille, blind, hijaiyyah letters, special schoo*