

Automatic Hand Wash and Temperature Gauge With Complementary Warning Monitor To Prevent Covid-19 Transmission In Karangmojo Elementary School

by Sukir, Haryanto, Edy Supriyadi, Yuwono Indro Hatmojo, Nur Kholis, Sa'adilah Rosyadi, Diana Puspita Sari dan Novid Dwi Haryanto

ABSTRACT

The objectives of this community service activity include: (1) producing hand washing products and automatic temperature gauges equipped with warning monitors; (2) obtain good performance from hand washing products and automatic temperature gauges equipped with warning monitors; and (3) obtaining assessments from teachers, employees, parents, and guests on hand washing products and automatic temperature gauges equipped with warning monitors to prevent the transmission of Covid-19 at Karangmojo Elementary School.

To achieve the first goal, a development method was carried out with steps: needs analysis, design, and manufacture of hand washers and automatic body temperature gauges equipped with warning monitors. To achieve the second goal, the method of testing the performance of hand washing products and automatic body temperature gauges is equipped with a warning monitor. Meanwhile, to achieve the third goal, it is carried out through the method of filling out a questionnaire regarding the assessment carried out by the Principal, teachers, employees, guests, and guardians of students on hand washing products and automatic body temperature gauges equipped with warning monitors to prevent the transmission of Covid-19 at SD Karangmojo. . The target audience for this PPM activity is SD Karangmojo, which is located at Karangmojo hamlet, Trirenggo Village, Bantul District, Bantul Regency, Special Region of Yogyakarta.

The results of this Community Service activity show that: (1) Hand Wash and Automatic Temperature Gauge with Monitor Complement have been obtained, with automatic hand washing measuring 70 Cm in height, 50 Cm in length, 50 Cm in width and 12 Cm in depth; (2) Automatic Hand Washing and Temperature Gauge Products With Complementary Warning Monitors have good performance; and (3) Principals, Teachers and Employees of Karangmojo State Elementary School, Bantul gave an assessment of Community Service products with a total average score of 85.75% which was classified as very good.

Kata Kunci: hand washing, temperature gauge, automatic, warning monitor, Covid-19