

**Training on the producing hand wash made from water apple leaf extract and silver nanoparticle for the society in Widodomartani, Ngemplak, Sleman**

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ABSTRACT

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ABSTRACT

This PPM activity aims to train the society of Widodomartani, Ngemplak, Sleman to produce hand wash by extracting water guava leaves and processing it with silver nanoparticles. In addition, this PPM activity also provides empowerment assistance for the people of Widodomartani village, Ngemplak, Sleman in order to improve their skills in synthesizing hand soap. To achieve this PPM goal, the PPM team carried out training which included two activities, namely, 1) the presentation of material about the benefits of making hand wash and how to produce hand wash; training to produce hand wash from water apple leaf extract and silver nanoparticles; and 2) assistance in making hand wash for the society of Widodomartani, Ngemplak, Sleman.

The conclusion that can be drawn from this PPM activity is that PPM participants from the Widodomartani village community, Sleman can optimize the use of water apple leaves and silver nanoparticles to produce handwash. In addition, the people of Widodomartani village, Sleman received provisions on concrete steps to make hand wash from water apple leaf extract and silver nanoparticles.

Keywords: hand wash, water apple leaf extract, silver nanoparticle.

Kata Kunci: *hand wash, water apple leaf extract, silver nanoparticle.*