

The Community Group without Disposal Waste Prototype Engineering in Yogyakarta City

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ABSTRACT

Community service activities (pengabdian kepada masyarakat - PPM) conducted by the lecturers for the 2022 budget year have been carried out in the form of socialization of the waste management system. The waste problem is still a problem in everyday life, especially in urban communities, in small, medium and big cities. The PPM explained how to solve the waste problem through an innovation based on the Law of Thermodynamics in Physics, so that it was hoped that the PPM partner community groups no longer produce wastes. This was because their waste was processed into materials that are beneficial to the ecosystem. This is because the PPM product has economic values. The basic principle of PPM was to make every member of the community aware of sorting waste into a number of characteristic waste groups, which were then given certain treatment. The treatment given was of course according to the characteristics of the waste material so that all waste can be utilized.

Kata Kunci: *Dissemination of waste management system, First Law of Thermodynamics, characteristic waste.*