

Pemanfaatan Limbah Daun *Tectona grandis* untuk Diversifikasi Produk Usaha Organisasi Disabilitas di Kecamatan Semin

by Anggi Tias Pratama, Bayu Rahmat Setiadi, Angga Damayanto, Rizqa Devi Anazifa

ABSTRACT

grandis is the largest commodity in Gunungkidul Regency. The area of teak forest in Gunungkidul Regency is 12,914 Ha. Rejosari Village is a partner village where many teak trees grow. This village is surrounded by a forestry area with an area of 540 Ha consisting of 50 Ha of Teak wood, 300 Ha of Acacia and 90 Ha of Mahogany. Residential land with a percentage of 20% and agricultural land at 40% and 40% forestry area means that Rejosari Village has enough greening potential to be developed. Mitra Handayani Association of Persons with Disabilities is an organization/community of persons with disabilities that focuses on the creative industry sector in Gunungkidul Regency. Disabled person Mitra Handayani is still unable to produce *Tectona grandis* waste into various products that can have economic value. This use is still in making briquettes, but the briquette results are still not optimal because the shape and density are still not good.

The partner settlement method is carried out in 5 main stages, namely: cooperation stage, technology design, training, activity evaluation, and operational assistance. The continuity of PKM activities is carried out by the service team and partners in resolving key partner problems that have not been covered in this PKM activity. The results of this PKM activity include: providing assistance for 1 unit of *Tectona grandis* waste carbonization machine and briquette press; increase in partner skills by 10%, increase in turnover by 10%; increase in additional assets of at least 40% of PKM funds; increase in production capacity by 10%; increasing production quality; increasing knowledge of *Tectona grandis* waste diversification by 30%; published in community service journals; and uploading videos of activities on YouTube. Partners can develop diversification from *Tectona grandis* waste into various products including: briquettes and fabric dyeing materials.

Kata Kunci: *Diversification, waste, Tectona grandis, disability*