

Increasing the income farmer groups through HH1 model refinery and product development downstream essential oils

Helmi Haris¹, Delfitriani², Indra Cahya Kusuma³, Antonius Padua Ratu⁴, Muhamad Abdiki Wicaksono⁵, Farras Fajria Rimadhani⁶, Rafika Kumalasari⁷, Neng Siti Khodijah⁸, Muhammad Husein Afifuddin Ridwan⁹

¹fakultas ilmu pangan halal, Universitas Djuanda, Indonesia ;

²fakultas ilmu pangan halal , universitas djuanda, Indonesia ;

³ fakultas ekonomi dan bisnis, universitas djuanda, Indonesia ;

⁴Fakultas farmasi , Sekolah Tinggi Teknologi Industri Dan Farmasi Bogor, Indonesia ;

⁵fakultas ilmu pangan halal , universitas djuanda, Indonesia ;

⁶fakultas ilmu pangan halal, universitas djuanda, Indonesia ;

⁷fakultas ilmu pangan halal , universitas djuanda, Indonesia ;

⁸fakultas ilmu pangan halal , universitas djuanda, Indonesia ;

⁹fakultas ilmu pangan halal , universitas djuanda, Indonesia ;

¹helmi.haris@unida.ac.id; ²delfitriani@unida.ac.id ; ³indra.cahya.k@unida.ac.id ; ⁴antonius.sttifbogor@gmail.com ;

⁵ dabdiki527@gmail.com; ⁶ farrasrima650@gmail.com ; ⁷malafika662@gmail.com; ⁸khodijahneng290@gmail.com

; ⁹generasimamprang@gmail.com ;

Abstract

Background - Bojongmurni Village produces various essential oil crops, including cloves, nutmeg, citronella, ginger, patchouli, and rosemary. The main issue faced by Bojongmurni Village is the lack of distillation equipment for essential oils on a production scale, resulting in farmers selling their essential oil plants in raw material form. Additionally, the skills and experience of the community group in mastering Appropriate Technology (TTG), especially in the processing of essential oil plants and their downstream products, are still limited

Purpose - .The goal of this activity is to produce the HH1 model essential oil distillation equipment for production scale and to generate various downstream products from essential oils. Therefore, this program is urgent to implement as it provides added value to the essential oil plants produced in the region

methodology - The implementation of the community service program uses a Community Development approach, which focuses on strengthening capacity, independence, and long-term welfare for the group or community

Findings - This community development program has successfully improved the skill scores of members of the Mitra Poktan Sabar Tani Muda and KTH Sadar Tani Muda groups. The results show that this activity has significantly improved members' skills in areas such as business management, administration, finance, and taxation

Originality - knowledge and understanding of essential oil plant cultivation, knowledge and understanding of essential oil processing, IT knowledge, and product and service promotion and marketing. The skill scores increased from 1 (low) to 3 (moderate). Meanwhile, income levels increased from a score of 3 (moderate) to a score of 4 (good).

Keywords: added value, downstream products, essential oil
