



Coffee Innovation Fund – Indonesia

Supporting innovative and scalable solutions to increase profitability and market access of small-holder coffee farmers

Developing Agni-Dryer for natural coffee processing

The coffee processor Adena has been operating in Indonesia since 2015 with a vision of connecting farmers with Indonesian coffee markets. In 2019, the Adena team established two processing units in Kenawat and Bener Meriah, Aceh, working with more than 200 household farmers. Another facility location is in Sokoria, Flores, East Nusa Tenggara.

Accelerating natural coffee processing

Natural processed coffee yields a comparatively high market price. On the one hand, this is a good opportunity to increase local processors' incomes. On the other hand, however, natural processed coffee takes a longer time to process at around one month. It also requires more space to accommodate the larger volumes of coffee cherries.

Moreover, it is challenging to control both the quantity and the quality of natural processed coffee. To overcome these challenges, Adena will develop a mechanical dryer to accelerate the natural coffee process by 20 to 30 per cent.

Economic and ecological mechanical micro dryer

Adena will develop and test the Agni-Dryer, an economic and ecological mechanical micro dryer for improving Indonesian natural coffee production.

The development process consists of three phases: conception and design phase, production phase and function test phase. During the first phase, the rough design, materials and components research and the detailed drawing will be completed. The next step will be to develop the system and drying panel. The team will then conduct tests of the Agni-Dryer in Kenawat (Aceh), organise training for utilisation and document the business model.



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Project overview

Term: 2019-2020
Region: Jakarta, Aceh and Flores, Indonesia
Partner: Kenawat – Adena Coffee Indonesia
Volume: EUR 31,808 (supported by the Fund)
EUR 64,532 (total volume)

Goals

- ❖ Increase production of natural coffee by doubling natural coffee production after installation of the Agni-Dryer.
- ❖ Reach more farmers to support the business model of premium coffee and Agni-Dryer.
- ❖ Increase farmers' profits, with an estimated value of up to \$510 profit per harvest for each farmer.

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