## Coffee Pulp Ecoboards in the High Yurinaki Annex - 2020

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The research pursues to find a solution for the excessive amount of organic waste obtained from the coffee harvest, reusing the coffee pulp for the preparation of eco-boards that are used in the manufacture of internal structures of a house, furniture and in this way counteract the effects caused by these residues to the physical and chemical characteristics of the soil, water, and air. In the manufacturing of the coffee pulp eco-boards, the coffee pulp is collected, cleaned, dried, crushed, the mixture is prepared, molded, dried, the eco-board is pressed, polished, and the varnish is applied. For technical validation, mechanical resistance and compaction tests were carried out. The eco-board obtained from coffee pulp is resistant and suitable for use in carpentry, with a positive impact on the environment. The coffee pulp eco-board is suitable for use in furniture and has a positive impact on the environment, decreasing the amount of organic waste dumped on the ground and water sources. The manufacturing of the coffee pulp eco-board inproves the economic income of the inhabitants in the High Yurinaki annex, a coffee-growing area par excellence; this activity generates job opportunities.

## Awards Won:

U.S. Agency for International Development: Second Award Climate and Environmental Protection