

Initiation Mosque-Owned Business (Bumas) through Diversification of *Indigofera tinctoria* Plant Cultivation Results as Ruminant Animal Food and Natural Coloring Ingredients

by Siti Marwati, Kun Sri Budiasih, Sunarto

ABSTRACT

The indigofera plant is a plant that is widely known by the Indonesian people. At first, people knew this plant was color-producing, especially for dyeing fabric. This plant produces a distinctive indigo-blue dye. As science advances, this plant can be used as a protein source. One plant species that can be used as a dye or animal feed is *Indigofera tinctoria*. This plant is a legume that contains high levels of phosphorus, calcium, and nitrogen. This plant has been cultivated by the community, one of which is in Moyudan District, Sleman Regency. *Indigofera* land managed by the mosque can become productive land that is beneficial for the mosque congregation. Currently, the congregation uses these plants only as fresh forage and freezes occur when harvest arrives. Therefore, training is needed to diversify the results of cultivating indigofera plants as a source of ruminant feed. Diversified feed is in the form of dry and fermented feed. This diversification is carried out by providing training to partners including an introduction to forage sources of animal feed, feed formulas, and technical guidance on making dry and fermented animal feed. The results of this activity were an increase in knowledge and skills for partners and an increase in the productivity of *Indigofera* plantations as well as an increase in the quality of livestock owned by partners.

Kata Kunci: *diversify, cattle, feed, Indigofera, ruminant*