

**PLANNING ANALYSIS OF  
DEVELOPING FUELWOOD FOREST IN SOCIAL FORESTRY PROGRAM**

**Location: Mangkung village, The West of Praya Subdistrict,  
The Centre of Lombok Regency , The West of Nusa Tenggara**

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**ABSTRACT**

Fuelwood is a very important source of energy for villagers, especially for poor tenant or low-income tenant. Fuelwood is very familiar with people because of the cheap price and easy getting around. This situation is also happened in Mangkung village, where people always use fuelwood for domestic needs and industry e.g. bricks industry and limestone industry. Problems that we could identified in Mangkung region are the lack of information we can get about the social forestry Program's (SFP's) forest stock, the rate of people's fuelwood consumption, the patterns of people's interaction with forest, and the width of the area that will be used for SFP's area for fuelwood objective.

To know the SFP's forest stock, forest inventory method is done, using Uniform systematic distribution sampling method. Circle plots is made, with the width of 0,1 ha and IS 0,1%. Patterns of people's interaction with forest and people's fuelwood consumption is found up by using questionnaires and direct interview with 25 chosen respondents, and continued with direct field observation. Respondents are chosen by purposive sampling method.

According to the observation and data analysis, we know that there are 4 patterns of people interaction with forest, those are illegal wood cutting, illegal cropping in forest areas, illegal cattle food taking, and tending cattle in forest area. The needs of fuelwood in Mangkung village for domestic consumption is 8,139.58 sm/year or 0,9 sm/capita/year, for bricks industry 2,4218.58 sm/year or 0.9 sm/capita/year, for lime stone industry 7,767.5 sm/year or 154.15 sm/person/year and for selling purpose 8,162.11 sm/year or 14.84 sm/seller/year. Total of fuel wood consumption for domestic, industry and for selling purpose are 26,421.99 sm/year or 17.6% and 82.4% or 21,771.72 are taken from forest. If 1 sm is equal to 0.6 m<sup>3</sup>, so the fuelwood needs is 14,151.62 m<sup>3</sup>/year. The stock of SFP's forest with 2572.5 ha is 132, 143.38 m<sup>3</sup> or 51.37 m<sup>3</sup>/ha. So the width of SFP's forest, basic on that stock is 862.5 ha. Forest management is planned with using coppice system and parallel cutting system, which is cutting down trees in 3 separated location every month.

**Keywords : forest, people, consumption, Social forestry.**

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