

## Javanese Turmeric Cultivation (*Curcuma xanthorrhiza* Roxb)

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### ABSTRACT

Javanese turmeric is one of Indonesia native plant, where growth only in Java, Maluku and Kalimantan. In West Java, Javanese turmeric called as *Koneng Gede* while in Madura called as *Temu lobak*. Cultivation technology based on operational standard procedure starting from selection material, good variety, environmental condition, seedling, soil preparation, planting technique, post harvest technology will produce uniform and high quality of Javanese turmeric rhizome. For seed efficiency, mother rhizome with stem rhizome can be divided up to 8 pieces. Javanese turmeric pest: are *Chrysodeixis chalcites* Esp., *Agrotis ypsilon* Hufn., *Mimegrala coeruleifrons* Macquart. *Fusarium* pathogen caused by *F. oxysporum* Schlecht., *Pythium* sp and *Pseudomonas* sp. attack roots and rhizome in the field or after harvest. Plant is ready to harvest 10 to 12 months after planting. Forks are used for digging the rhizome in good condition. The rhizome should be cleaned from inner matter and root. Mother rhizome can be separated with stem rhizome and directly store in storage room. Several benefit of Javanese turmeric rhizome are improve appetite, repair digestion function, maintain liver function, reduce joint and bone pain, decrease blood fat, as antioksidant help to maintain the healthy, help to stop blood clotting. Response Javanese turmeric line on fertilizer combination of 300 kg/ha urea, 300 kg/ha SP36 and 200 kg KCl/ha produced the highest rhizomes, B/C ratio and net income. The highest net income was gained by conventional cultivation of promising line Balitro 2, as much as Rp. 819,965,- with B/C ratio of 1.101 for simplisia and 1.226 for rhizome and with net income of Rp 2,747,516,- per 1.000 m<sup>2</sup> area. Active ingredient for all treatments were was fit with MMI. Another information indicated that 200 kg SP36/ha was enough for increasing the net income, and B/C ratio.

**Keywords:** *Curcuma xanthorrhiza*, cultivation, multiple cropping, rhizome.