

Komunikasi Pendek Perbanyak Tanaman *Artemisia Annua* secara In Vitro

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Abstrak

In Vitro Propagation of *Artemisia annua*. Rossa Yunita and Endang G. Lestari. Artemisinin, an anti-malarial medicine isolated from the annual wormwood *Artemisia annua*, has a marked activity against chloroquine-resistant and chloroquine-sensitive strains of *Plasmodium falciparum*. This compound is useful for treatment of cerebral malaria. An in vitro propagation system for *A. annua* has been developed. Shoots were induced by culturing seeds of *A. annua* on a MS medium containing BAP (0, 0.1, 0.3, 0.5 mg/l). Shoots were also formed on each seedling cultured on the same medium. Root formations were obtained from shoots that were subcultured on a MS medium containing IBA (0, 1.0, 1.5, 2 mg/l). The results showed that MS medium supplemented with BAP 0.3 mg/l was the best medium for induction and multiplication of the shoots, while the MS medium supplemented with IBA (1 mg/l) was good for root formations.