



TEKNOLOGI INOVATIF PERTANIAN



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Nilam Varietas Patchoulina 2

Patchoulina 2 Variety of Nilam

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Nilam varietas Patchoulina 2 merupakan hasil induksi variasi somaklonal yang memiliki sifat tahan terhadap penyakit layu bakteri (*R. solanacearum*). Bobot terna segar per tanaman $2,29 \pm 0,25$ kg, bobot terna kering per tanaman $0,78 \pm 0,036$ kg, produksi terna segar $37,73 \pm 10,13$ t/ha/tahun, produksi terna kering: $12,56 \pm 3,34$ t/ha/tahun. Potensi produksi minyak mencapai $343,22 \pm 13,76$ kg/ha/tahun, kadar minyak $2,78 \pm 0,57$ %, kadar Patchouli Alkohol (PA) $32,31 \pm 3,81$ %. Varietas ini memiliki bentuk pangkal daun dan ujung daun runcing (*acutus*) dan tepi daun bergerigi tajam (*biserratus*).

The Patchoulina 2 variety was developed through an induction of soma clonal variation having a resistance trait to the bacterial wilt of *R. solanacearum*. Yield potential of this variety is 2.29 ± 0.25 kg of fresh terna/plant with a dry weight of 0.78 ± 0.036 kg/plant/year. It is equivalent to 37.73 ± 10.13 ton fresh terna/ha/year or 12.56 ± 3.34 t dry terna/ha/year. The potential production of oil is 343.22 ± 13.76 kg/ha year with oil content of 2.78-0.57%, and Patchouli Alcohol content of 32.31 ± 3.81 %. The leaf shape of this variety is sharp at the base as well as pointed at the tip (*acutus*), and the margin of the leaf is sharp and serrated (*biserratus*).