

Improvement of Cutting Propagative of *Medinilla formosana* Hayata and *M. macnifica* Lindl¹

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Summary

This research chose some semihardwood from *Medinilla formosana* Hayata and *M. macnifica* Lindl. and dipped them into IBA with 0,500,1000 and 2000 ppm respectively. And then we used vermiculite as medium to grow them. The results of this experiment were : (1)The stem buds of *M. formosana* Hayata, growing in 1000ppm IBA, got 100% rooting ratio with 39.8 roots on average, The semihardwood of *M. formosana* Hayata, growing in 2000 ppm IBA, got 100% rooting ratio with 56.3 roots on average was the best one.(2)The semihardwood of *M. macnifica* Lindl, treating with 2000 ppm IBA, reached about 73.3% rooting ratio and had the most root number of 14.1 The method of stem bud cutting to *M. macnifica* Lindl, treating with 2000 ppm IBA, was only with 30% rooting ratio. (3)Comparison between two cutting media for the semihardwood *M. formosana* Hayata stems, vermiculite was better than perlite.

(Key words : *Medinilla formosana* Hayata, *M. macnifica* Lindl, Cutting)

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