

## Breeding of *Dendrobium* Taitung Panda 'Taitung No.1-Panda'

Wen-Nan Lee<sup>1</sup>

### Abstract

The nobile-type *Dendrobium* is a type of orchid in the family Orchidaceae with great potential in the international market. However, Taiwan currently lacks new varieties to meet market demands. Taitung District Agricultural Research and Extension Station has utilized traditional hybridization techniques to develop a new *Dendrobium* cultivon called 'Taitung No.1-Panda' which was granted the plant variety rights on March 31, 2023 (Certificate No. A02912). This new variety exhibits round to ovate sepals and petals, giving it a smooth and rounded appearance. In addition, the color pattern of petel has shaded outer side and spotted inner side, making it a distinct characteristic rarely seen in commercial nobile-type *Dendrobium* varieties. This distinct feature enhances its recognizability. The natural flowering period for this variety in Taiwan is concentrated in spring, specifically during the months of March and April. It boasts rapid growth and excellent adaptability to the Taiwanese climate, making it visually captivating and holding considerable market potential.

**Keywords:** *Dendrobium*, Nobile-type *Dendrobium*, Breeding, DUS test

---

<sup>1</sup>Associate Researcher of Taitung DARES, MOA.