

## VARIATIONS OF MORPHOLOGY AND PHYSIOLOGY SOME SPECIES GROUND ORCHIDS

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### ABSTRACT

Orchids are have very high variaty of ornamental plants, good colors, motifs and patterns. Orchids include a group of plants that are actively evolving, specialized and adaptable to deceive and lure insects into crossbreeding. The purpose of this research is to know and analyze the existence of morphology and physiology variations that occur in some species of ground orchid. This research is an explorative research on at least 3 species of ground orchid as research object. This research will be carried out in Basic Biology Laboratory of FMIPA UNY for observation of morphological characteristics which include leaf shape and leaf shape, leaf surface, leaf arrangement, and flowering organ and physiological characteristic observation including chlorophyll content, stomatal conductivity, transpiration, and photosynthesis profile. The results of this study are expected to provide information about the diversity of orchids, especially the type of ground orchid through morphological features and physiology.

Kata Kunci: *morphological and physiological characteristics, ground orchids*