

APPROVAL PAGE

Research Title : Effectiveness of Allelopathic Pine Leaves Extract
(*Pinus merkusii*) on the Growth, Mortality, and
Phytotoxicity of Purple Nutsedge (*Cyperus
rotundus* L.) and Billygoat Weed (*Ageratum
conyzoides* L.)

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**EFFECTIVENESS OF ALLELOPATHIC PINE LEAVES EXTRACT
(*Pinus merkusii*) ON THE GROWTH, MORTALITY, AND
PHYTOTOXICITY OF PURPLE NUTSEDGE (*Cyperus rotundus* L.)
AND BILLYGOAT WEED (*Ageratum conyzoides* L.)**

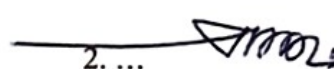
THESIS

Written by:

Ivo Yasinta Putri
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Has Been Examined
On Monday, March 10th, 2025

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