

**CONSTRUCTION OF LIVE ATTENUATED VACCINE (LAV) DENGUE-3 INFECTIOUS
CLONES**

By
Zahirah Alifa
15010105

Submitted to

i3L – Indonesia International Institute for Life Sciences
School of Life Sciences

In partial fulfillment of the requirements for the Bachelor of Science in
Biomedicine [Infectious Disease]

Thesis Advisor: Marsia Gustiananda, Ph.D.

Jakarta, Indonesia
2019