

## Chapter 1

### Introduction

#### 1.1 Host Institution Description

Indonesia International Institute for Life Sciences (i3L) is a prestigious higher education institution with an emphasis on providing top-notch instruction and research in Science and Technology. It is located in Jakarta, Indonesia. With a mission to be a premier, internationally connected, interdisciplinary organization that influences society via science and innovation, the institute was established in 2012. By utilizing research, innovation, and Indonesia's distinctive national resources, the institute seeks to realize its mission of fostering a new generation of leaders in science and technology while also accelerating Indonesia's competitiveness.

A systematic review was conducted as the main activity for the completion of an internship program provided by the institution above, bringing the topic of "Systematic Review: Medicinal Plant Extract That Exerts Both Antibiofilm and Wound Healing Activity with Its Phytochemical Constituents in In Vitro and/or In Vivo Studies". An independent reviewer will conduct this review to understand further on the current knowledge and findings of antibiofilm and wound healing activity of medicinal plants, simultaneously assessing the current available study models and methodology utilized, in hopes of implementing the knowledge towards future research, yielding higher quality.

#### 1.2 Department Description

An independent reviewer will contribute to the completion of this systematic review, receiving guidance from internship advisors, Dr.rer.medic.Gabriella Gita Febriana, S.Si., M.Sc and dr. Jessica B.Med.Sc.,Sp.Ok.