

## CHAPTER 1. COMPANY PROFILE

### 1.1 About and History of i3L

Indonesia International Institute of Life Sciences (i3L) is a campus that is located at Jl. Pulomas Barat Kav 88, Jakarta Timur 13210, Indonesia. Established in 2013 (ANTARA News Banten, 2013), the campus has two faculties: one for Life Sciences and one for School of Business. At the school of life sciences, i3L offers undergraduate programs in Bioinformatics, Biomedicine, Biotechnology, Food Science and Nutrition, Food Technology and Pharmacy. At the school of Business, i3L offers undergraduate programs in Business & Entrepreneurship in Life Sciences, Creative Digital Marketing, International Applied Accounting and International Business Management (“About Us”, 2022). Per their website (2022), i3L’s vision is to be a leading and globally connected interdisciplinary institution that impacts society through science and innovation. Their missions are as follows:

1. To deliver an inter-, multi-, and transdisciplinary education in life sciences at an international level, as well as to support the development of our students’ scientific and entrepreneurship thinking in accordance to their disciplines.
2. To conduct collaborative research and development activities in life sciences and business with other higher education institutions, the business sector, and the government.
3. To develop innovations in life sciences and implement to improve Indonesia’s quality of life.
4. To maintain a continued collaboration with the government and both local and international higher education institutions in order to implement the Tridharma activities.

## 1.2 Faculty of Bioinformatics

One of the faculties available in the school of Life Sciences is the Bioinformatics faculty. In the Bioinformatics faculty, their vision is “To become a leading and innovative education and big data innovation center in ASEAN that is of the international bioinformatics standards.”, while their mission is as follows:

1. Providing and Developing Bioinformatics Education to prepare the Skill of Graduates in Retrieving, analyzing and Presenting Biological data Effectively.
2. Improving Bioinformatics Research Quality through National and International Collaboration for Developing the Science and Technology in Indonesia.
3. Increasing the Activity for Community Service in Indonesia which Corresponds to the research and the educational result in Bioinformatics area.

The head of the Faculty of Bioinformatics is David Agustriawan, S.Kom., M.Sc., Ph.D.; the members of the faculty are Dr.rer.nat. Arli Aditya Parikesit, S.Si., M.Si., Rizky Nurdiansyah, S.Si., M.Si., Nanda Rizqia Pradana Ratnasari, S.Si., M.Stat., Muammar Sadrawi, B.S., M.S., Ph.D., and Puspa Setia Pratiwi, S.Kom., IM SME, Ph.D. (“Our Faculty”, 2022).

The faculty of Bioinformatics is, according to their webpage (2022), “the first undergraduate bioinformatics program in Indonesia and the first in ASEAN region to cater for global future needs”. It ensures the integration of IT platform and life sciences, enhancement of research, and enabling big data analysis, as well as offering interdisciplinary skills such as information technology, biology and statistics to analyze vast amounts of biological data.

According to the webpage “Bioinformatics” (2022), there are many reasons why the faculty of Bioinformatics of i3L is ideal for study: the demand for bioinformaticians always increasing; universities and companies are always looking to hire. In addition, they are in

collaboration with reputable universities worldwide; internships are available in Singapore, Belgium, and Australia. The faculty is also research-driven and project-based, which allow students to train their analytical skills.