Chapter 1

Introduction

1.1. Host Institution Description

1.1.1. Brief History

Badan Riset dan Inovasi Nasional (BRIN), like the name suggests, is a government agency managing the research and development at Indonesia in a national level. Originally a unit within the Kementerian Riset dan Teknologi (Kemenristek), BRIN became the only national research agency after the signing of Presidential Regulation No. 33 of 2021. All research agencies, including Lembaga Ilmu Pengetahuan Indonesia (LIPI), Badan Pengkajian dan Penerapan Teknologi (BPPT), Badan Tenaga Nuklir Nasional (BATAN), Lembaga Penerbangan dan Antariksa Nasional (LAPAN), and etc. were subsumed into the authority of BRIN (BRIN, 2022).

1.1.2. Vision and Mission

The vision of BRIN is to realize a national research agency that can serve the President and Vice President with integrity, and realize a “Sovereign, Independent, and Cooperative Indonesia” (BRIN, 2022b).

The missions of BRIN are to provide technical and administrative support, improve quality of human resources and infrastructure for research and innovation, and organize effective and efficient services in fields of supervision, general administration, information, and institutional relations (BRIN, 2022a).

1.1.3. Core Values

The core values of BRIN include reliability, professionalism, innovativeness, and cooperation (BRIN, 2022b).

1.1.4. Organizational Structure

BRIN is led by an executive committee, headed by a chairman that oversees all the research organizations. This executive branch appoints deputy branches to administer the infrastructure and other non-research related matters. More information regarding its organizational structure could be found in Figure 1.1 (BRIN, 2022a).

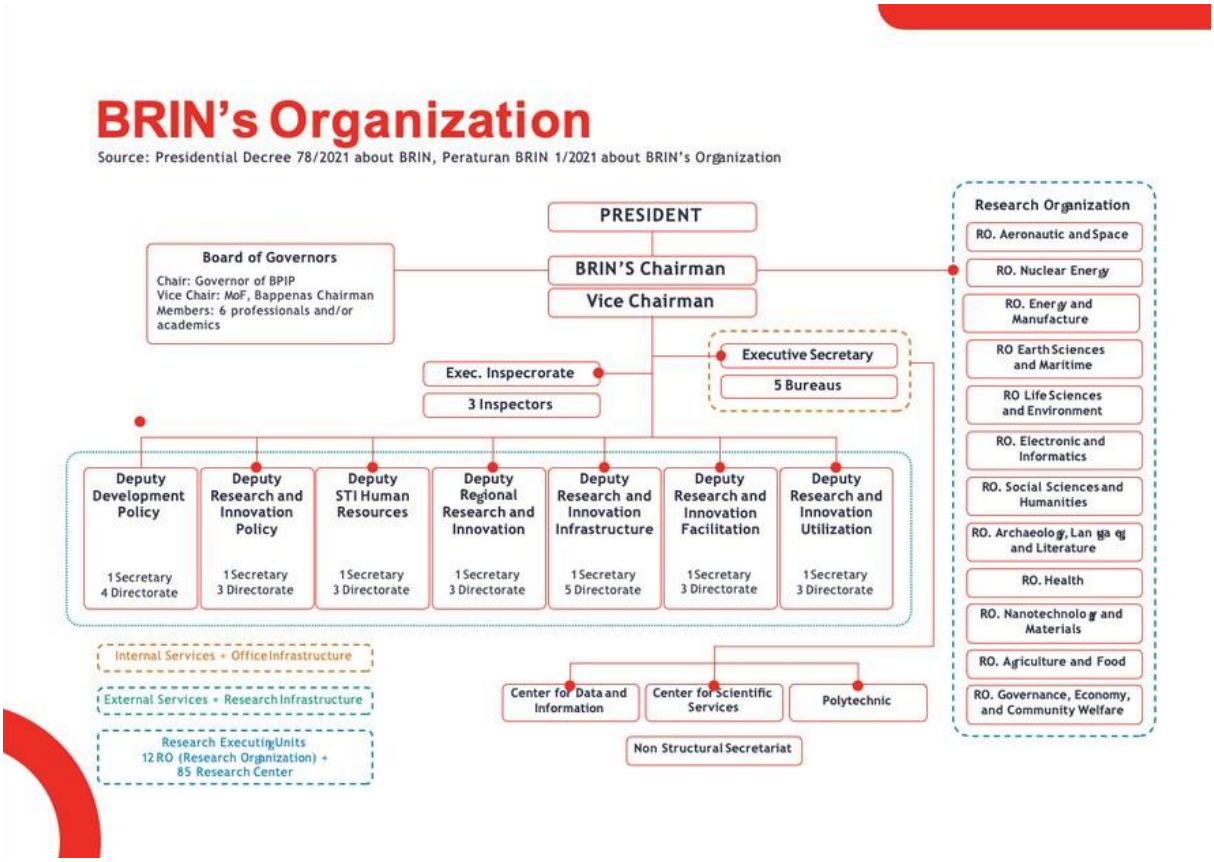

Figure 1.1. Organization structure of BRIN

1.2. Department Description

Pusat Riset Materi Maju (PRRM), or Advanced Material Research Center, is a department under the authority of Organisasi Riset Nanoteknologi dan Material (ORNM), focused on the research, development, application, and innovation in the field of advanced materials (BRIN, n.d.). The internee and his colleague, Jayson Raine Pangilinan Dolor, were placed as internees under the tutelage of the field supervisor, Dr. Nendar Herdianto. With the approval of both the field supervisor and internship advisor, the internee was tasked with writing a systematic review on “Cytotoxicity Test for Hydroxyapatite-HPMC-Chitosan Injectable Bone Graft”, while his colleague was tasked with writing a systematic review on “Cytotoxicity Test for Zn-Sr Cosubstituted Hydroxyapatite”.