

Abstract

This systematic review both serves as the author's experience as an intern at Badan Riset dan Inovasi Nasional (BRIN), in the department of Pusat Riset Materi Maju (PRMM), under the guidance of Dr. Nendar Herdianto, M. Si, while being a substitute for a normal internship report. The goal of this internship was to create a systematic review that compiles the previous researches and discusses the possible cytotoxic effect of Hydroxyapatite-HPMC-Chitosan. Out of 245 articles found, only 2 articles met the criteria and are eligible for analysis. These assessed articles show that Hydroxyapatite-HPMC-Chitosan does not show any cytotoxicity, and instead show cellular growth instead.

Keywords: hydroxyapatite, cytotoxicity, chitosan, HPMC, graft