

Laporan Praktek Kerja Profesi Apoteker Di PT. Zenith Pharmaceuticals Jalan Tambak Aji No. 1, Semarang Periode 04 Februari-28 Maret 2013

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Abstrak

Praktek Kerja Profesi Apoteker di PT. Zenith Pharmaceuticals bertujuan untuk mengetahui dan memahami penerapan aspek-aspek Cara Pembuatan Obat yang Baik (CPOB) di industri farmasi dan memahami tugas dan peran profesi Apoteker di industri farmasi serta mendapatkan pengalaman praktis di lapangan. Melalui praktek kerja ini, apoteker dapat melihat secara langsung kegiatan Produksi, Quality Assurance, Quality Control, Pengembangan Formula, dan teknis di PT. Zenith Pharmaceuticals. Praktikan ditempatkan di Departemen Research and Development (RnD) dan diberikan tugas khusus yang berjudul Studi Praformulasi Tablet Metformin Hidroklorida Extended Release. Tugas khusus ini bertujuan untuk membuat produk copy baru metformin hidroklorida extended release (XR) dengan formula yang sesuai dengan produk inovator dalam rangka memenuhi permintaan pasar farmasi. Berdasarkan hasil studi literatur dan analisis terhadap produk innovator maka digunakan HPMC tipe Methocel K100M Premium sebagai matriks tablet dengan konsentrasi 30% dengan metode pembuatan kempa langsung. Dengan ini diharapkan dapat dihasilkan tablet sesuai dengan target spesifikasi yang telah ditetapkan.

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Pharmacists Professional Practice in PT. Zenith Pharmaceuticals aims to identify and understand the application of aspects of Good Manufacturing Practice (GMP) in the pharmaceutical industry and understand the duties and role of the pharmacist profession in the pharmaceutical industry as well as gain practical experience in the field. Through this practice, pharmacists can see firsthand the activities of Production, Quality Assurance, Quality Control, Formula Development, and technical in PT. Zenith Pharmaceuticals. Praktikan placed in the Research and Development Department (RnD) and given the specific assignment Praformulasi study entitled Metformin Hydrochloride Extended Release Tablets. Special assignment aims to create a new copy products metformin hydrochloride extended release (XR) that similar with product innovators in order to meet the demand of the pharmaceutical market. Based on a literature study and analysis of the innovator product used HPMC Methocel K100M Premium as a type of matrix tablets with a concentration of 30% by the direct method of manufacture felts. With is expected to be produced a tablet in accordance with specifications established targets.