



## FAKULTI PENGURUSAN DAN INDUSTRI HALAL

<b>PROGRAM</b>	<b>Diploma in Halal Product Manufacturing</b>
<b>COURSE NAME</b>	<b>Halal Cosmetic And Pharmaceuticals</b>
<b>COURSE CODE</b>	<b>DHM 4023</b>
<b>CREDIT HOUR</b>	<b>3</b>
<b>SYNOPSIS</b>	This subject covers processing process involve in cosmetic & pharmaceutical industry from selecting of the raw material until the selection of unit operation used, packaging, storage and transportation. Halal related issues in this industry will be explained and discussed.
<b>COURSE STRUCTURE</b>	
<b>CHAPTER</b>	<b>TOPICS</b>
<b>1</b>	<b>Introduction to Halal Cosmetic and Pharmaceutical</b>  1.1 Definition of Cosmetic and Pharmaceutical 1.2 Definition of Halal Cosmetic and Pharmaceutical 1.3 Product classification 1.4 Product registration
<b>2</b>	<b>Law and Regulation of Cosmetics in Malaysia</b>  2.1 Ministry of Health-National Pharmaceutical Regulatory Affairs (NPRA) 2.2 Poison Act 1952, 2.3 Control of Drugs and Cosmetic Regulations 1984 2.4 The ASEAN Cosmetic Directive (ACD), Cosmetic Claims (Article 7 of ACD), Safe cosmetic (Article 3 of ACD) 2.5 Ingredient listings (Article 4 and 5) 2.6 PICS (Pharmaceutical Inspection Co-operation Scheme)
<b>3</b>	<b>Malaysian Standard (MS) for Halal Pharmaceutical, Cosmetic and Personal Care</b>  3.1 MS2424:2019-Halal Pharmaceuticals-General Guidelines 3.2 MS 2200-1:2008-Islamic Consumer Good-Part 1: Cosmetic and Personal Care-General Guidelines 3.3 MS 2200-2:2013- Islamic Consumer Goods-Part2 Usage of animal bone, skin and hair-General guidelines



4	<b>Raw materials, ingredients and additives</b>  4.1 Main ingredients in Halal Cosmetic-Active Ingredients 4.2 Cosmetic Ingredients According to NPRA 4.3 Pharmaceutical Ingredients 4.3.1 Active Ingredients 4.3.2 Halal and Non-Halal Excipients 4.4 Doubtful ingredients used in pharmaceutical and cosmetic industry: 4.4.1 Emulsifier 4.4.2 Coloring 4.4.3 Flavor 4.4.4 Sweetener 4.4.5 Capsulated, Tablet, Solvent, Polisher
5	<b>Processing and Handling in Pharmaceutical and Cosmetic</b>  5.1 Material Basic Requirement 5.2 Handling of Starting Materials 5.3 Manufacturing Operation 5.3.1 Lab Activities- Experiment 5.4 Handling of Waste, rejected and Miscellaneous materials
6	<b>Packaging</b>  6.1 Function of Packaging 6.2 Labeling Requirement 6.3 Labelling Requirements for Halal products 6.4 Claims
7	<b>Guidelines Related With Pharmaceutical and Cosmetic Industries</b> 7.1. Good Manufacturing Practice Requirement for Cosmetic and Pharmaceutical Premise 7.2. Good Warehousing and Distribution Practice Guideline
8	<b>Quality Characteristic of Cosmetics</b>  8.1 Quality Assurance 8.1.1 ISO 9001:2008 8.1.2 Product Complaint 8.1.3 Recall Product 8.1.4 CAPA 8.2 Quality Control
9	<b>Fatwa related with Pharmaceutical and Cosmetic</b>  9.1 Used Of Clexane And Fraxiparine As Medicine 9.2 Gelatin In Medicine 9.3 Alkohol In Food, Beverage, Perfume And Medicine



	<p>9.4 Used of Medicine for Heart Problem For Fasting Patient</p> <p>9.5 Used of Cordyceps Sinensis In Producing Traditional Medicine</p>
10	<p><b>Issues in Cosmetic Industry</b></p> <p>10.1 Related issue on processing and handling</p> <p>10.2 Quality characteristics of cosmetics</p> <p>10.3 Cross contamination issues</p> <p>10.4 Halal related issues in Cosmetics</p>
<b>References:</b>	<ol style="list-style-type: none"> <li>1. MS2424: 2019 Malaysian Standard: Halal Pharmaceuticals, Department of Standard Malaysia.</li> <li>2. Nusim, S., (2016). Active pharmaceutical ingredients: development, manufacturing, and regulation, Second Edition. (ISBN: 9781439803394)</li> </ol>