

Module Handbook

Module Name:	Chemistry for Anorganic Drugs
Module Level:	Bachelor
Abbreviation, if applicable:	KII401
Sub-heading, if applicable:	
Courses included in the module, if applicable:	
Semester/term:	1 / Fourth year
Module coordinator(s):	Prof. Dr. Purwanto, Apt.
Lecturer(s):	Prof. Dr. Purwanto, Apt.
	Dr. Bambang Tri Purwanto, MS., Apt
	Dra. Nurul WD, MSi., Apt
Language:	Bahasa Indonesia
Classification within the curriculum:	Compulsory Course /Elective Studies
Teaching format/class hours per week during the semester:	100 minutes lectures, 13 lecture classes/semester
Workload:	Total 22 hours a semester
Credit Points:	2
Requirements:	Students must have taken Biochemistry (BIK201) and Pharmacology-Toxicology I (FAT301) courses.
Learning goal/competencies:	<p>Knowledge</p> <ul style="list-style-type: none"> - To understand the concept of inorganic medicine used in therapy. <p>Skills</p> <ul style="list-style-type: none"> - Discipline, honesty, communication and attentive <p>Competence</p> <ul style="list-style-type: none"> - To understand and able to apply the concept of chemistry in inorganic medicine. - To understand and able to explain the relation of inorganic medicine with its mechanism in causing therapeutical effect. - To understand and able to explain the application of inorganic medicine in patient treatment.
Content:	Compounds of inorganic medicine which affecting physiological acidity (pH), classification of gas for inhalation dosage form, electrolyte for systemic and/or topical use
Study/exam achievements:	<p>Student are considered to be competent and pass if at least get 50% of maximum mark of the exams based learning.</p> <p>Final score is calculated as follow :</p> <p>50% Exam I + 50% Exam II</p> <p>Final index is defined as follow :</p> <p>A : ≥ 75 AB : 70 – 74,9 B : 65 – 69,9 BC : 60 – 64,9 C : 55 – 59,9</p>

	D : 40 – 54,9 E : <40
Forms of Media:	Slides, LCD projector, whiteboard.
Literature:	<ol style="list-style-type: none"> 1. Farrell NP, 1999, <i>Uses of Inorganic Chemistry in Medicine</i>, Cambridge: The Royal Society of Chemistry. 2. Jones C and Thornback J, 2007, <i>Medicinal Applications Of Coordination Chemistry</i>, Cambridge: The Royal Society of Chemistry. 3. Crichton RR, 2008, <i>Biological Inorganic Chemistry, An Introduction</i>, Amsterdam: Elseiver. 4. Road-Malone RM, 2007, <i>Bioinorganic Chemistry, A Short Course</i>, 2nd Ed, Hoboken: A Wiley Interscience Inc. 5. House JE & House KA, 2010, <i>Descriptive Inorganic Chemistry</i>, 2nd Ed, Amsterdam: Elseiver-AP.
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