

### Module Handbook

Module Name:	Radio Pharmaceuticals Preparation
Module Level:	Bachelor
Abbreviation, if applicable:	FAF401
Sub-heading, if applicable:	
Courses included in the module, if applicable:	
Semester/term:	1 or 2 (open semester) / Fourth year
Module coordinator(s):	Dra. Esti Hendradi, MSi., PhD., Apt
Lecturer(s):	Dra. Esti Hendradi, MSi., PhD., Apt
	Dewi Melani, SSi., M.Phil., Ph.D., Apt
	Helmy Yusuf, SSi, MSc., Ph.D., Apt
Language:	Bahasa Indonesia
Classification within the curriculum:	<del>Compulsory Course</del> /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 Liquid Preparation Pharmaceuticals (FAF203) , Solid Preparation Pharmaceuticals (FAF202), Semisolid Preparation Pharmaceuticals (FAF211) courses.
Learning goal/competencies:	<p>Knowledge</p> <ul style="list-style-type: none"> <li>- To understand the basic concept of radio pharmaceutical dosage form .</li> </ul> <p>Skills</p> <ul style="list-style-type: none"> <li>- Honesty, discipline, and empathy.</li> </ul> <p>Competence</p> <ul style="list-style-type: none"> <li>- To understand and able to apply the concept of radio pharmaceutical dosage form</li> <li>- To understand and able to explain the use and application of radio pharmaceutical dosage form based on its effectivity, stability, safety and acceptability.</li> </ul>
Content:	Structure of radio pharmaceutical dosage form, stability of nuclear, radioactive damage, unit and therapeutical dosage of radio pharmaceutical dosage form, radiation hazard and its protective steps, dosage form, stability, quality control and regulation of radio pharmaceutical dosage form
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 (NA) is calculated as follow :</p> <p>45% Exam I + 45% Exam II + 10% Softskill</p> <p>Final index is defined as follow :</p> <p>A : 100 &gt; NA &gt; 75            AB : 75 &gt; NA &gt; 70            B : 70 &gt; NA &gt; 65</p>

	BC : $65 > NA > 60$ C : $60 > NA > 55$ D : $55 > NA > 50$ E : $50 < NA$
Forms of Media:	LCD projector, whiteboard, slides
Literature:	<ol style="list-style-type: none"> <li>1. Departemen Kesehatan R.I , 2014. Radioaktivitas in : <i>Farmakope Indonesia</i> Edisi V, Dep Kes RI.</li> <li>2. Alfonso, R.G, 2006. Fundamentals of Medical Radionuclides in : <i>Remington: The Science and Practice of Pharmacy</i> 21<sup>th</sup> edition, 469-482</li> <li>3. Parfitt, K, 2011. Radiopharmaceuticals in : <i>Martindale-The Complete Drug Reference</i>. 37th edition, 2011</li> </ol>
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