



Universitas Gadjah Mada

Faculty of Pharmacy

Doctoral Study Program in Pharmaceutical Science

Intervention Model in Clinical Pharmacy (3,2 ECTS/ 2 CSU)

Code/Status	FAS3220120/Elective
Module designation	Doctoral Study Program in Pharmaceutical Science
Semester(s) in which the module is taught	1
Person responsible for the module	Dr. apt. Nanang Munif Yasin, M. Pharm Prof. Dr. apt. Tri Murti Andayani, Sp.FRS Dr. apt. Susi Ari Kristina, M. Kes
Language	Indonesian
Teaching methods	Problem based learning. 100 minutes/weekly and 14 weeks during the semester
Workload (incl. contact hours, self-study hours)	100 minutes of in-class lectures
Credit points	3,2 ECTS/2 CSU
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	Students are expected to be master in the theory and framework of clinical intervention, drawing from a wealth of literature. They adeptly apply guidelines for intervention studies to forge new clinical interventions in the pharmaceutical realm. Their training further encompasses the application of clinical trial concepts and methodologies. Additionally, they have the skills to define outcomes in these studies and craft instruments essential for measuring these outcomes, reflecting a comprehensive grasp of intervention research.
Content	This course explains the theory and framework of clinical intervention from various literatures, applies guidelines for intervention studies to develop clinical interventions; clinical trial study concepts and methods for the development of intervention studies in the pharmaceutical sector; outcmes in intervention studies and develop instruments for measuring outcomes
Examination forms	



Universitas Gadjah Mada

Faculty of Pharmacy

Doctoral Study Program in Pharmaceutical Science

Study and examination
requirements

A-E. Project/Case 60%. Presentation and discussion 40%.



Universitas Gadjah Mada

Faculty of Pharmacy

Doctoral Study Program in Pharmaceutical Science

<p>Reading list</p>	<p>Main</p> <ol style="list-style-type: none">1. Moullin JC, Sabater-Hernández D, Fernandez-Llimos F, Benrimoj SI. A systematic review of implementation frameworks of innovations in healthcare and resulting generic implementation framework. <i>Health Res Policy Syst.</i> 2015;13:16.2. Schulz KF, Altman DG, Moher D. CONSORT 2010 statement: updated guidelines for reporting parallel group randomised trials. <i>Int J Surg.</i> 2011;9(8):672–7.3. Richards DA, Rahm Hallberg I. Complex interventions in health. In: An overview of research methods. London & New York: Routledge; 2015.4. Grol RP, Bosch MC, Hulscher ME, Eccles MP, Wensing M. Planning and studying improvement in patient care: the use of theoretical perspectives. <i>Milbank Q.</i> 2007;85(1):93–138.5. Craig P, Dieppe P, Macintyre S, Michie S, Nazareth I, Petticrew M. Developing and evaluating complex interventions: the new Medical Research Council guidance. <i>BMJ.</i> 2008;337:a16556. Craig P, Dieppe P, Macintyre S, Michie S, Nazareth I, Petticrew M. Developing and evaluating complex interventions: the new Medical Research Council guidance. <i>BMJ.</i> 2008;337:a1655 <p>Additional</p> <ol style="list-style-type: none">1. The EQUATOR (Enhancing the QUALity and Transparency Of health Research) Network. [http://www.equator-network.org/2. Ogrinc G, Davies L, Goodman D, Batalden P, Davidoff F, Stevens D. SQUIRE 2.0 (Standards for QUALity Improvement Reporting Excellence): revised publication guidelines from a detailed consensus process. <i>BMJ Qual Saf.</i> 2015;25:986-92.
---------------------	---



Universitas Gadjah Mada

Faculty of Pharmacy

Doctoral Study Program in Pharmaceutical Science

	<ol style="list-style-type: none">3. Möhler R, Köpke S, Meyer G. Criteria for reporting the development and evaluation of complex interventions in healthcare: revised guideline (CReDECI 2). <i>Trials</i>. 2015;16:2044. Hoffmann TC, Glasziou PP, Boutron I, Milne R, Perera R, Moher D, et al. Better reporting of interventions: template for intervention description and replication (TIDieR) checklist and guide. <i>BMJ</i>. 2014;348:g1687.
Date of last amendment	Aug 1, 2023