

CURRICULUM BOOK STUDY PROGRAM MASTER OF PUBLIC HEALTH



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FACULTY OF PUBLIC HEALTH
UNIVERSITAS AHMAD
DAHLAN
YOGYAKARTA

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2022

PREFACE

Bismillahirrohmanirrohim

Alhamdulillahirobbil 'alaamiin, all thanks be to Allah SWT, the Curriculum Review Team hereby has completed a Curriculum Book for the Master's Program in Public Health FKM UAD. The team would like to thank the dean and stakeholders, lecturers, alumni, and education staff who have helped complete the task of the curriculum review team. Thank you.

Wassalamu'alaikum wr.wb.

Yogyakarta, March 20, 2022

Signed

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I. Preface

The undergraduate Public Health Study Program of Universitas Ahmad Dahlan develops a master's degree study program. For this reason, there is a curriculum design in accordance with the KKNI-SNPT, which can direct study program managers to achieve graduate quality targets, as well as provide information to the public about the quality statement of study program graduates in higher education.

II. Competencies of Graduates of Master of Public Health

The competency of the Master of Public Health graduates consists of the formulation of Graduate Learning Outcomes (hence, shortened as CPL) in accordance with the SNI/KKNI of Eight-Level Public Health and Competencies (Attachment of SNPT, Permenristekdikti No. 44, 2015), including:

CPL 1 (ATTITUDE)

Able to work together in carrying out tasks and have high social sensitivity to society and the environment, obey the rules and discipline according to Islamic values (CPL 1)

CPL 2 (GENERAL SKILLS)

Able to develop logical, critical, systematic, and creative thinking through scientific research, the creation of designs or works of art in the fields of science and technology that pays attention to and applies humanities values according to their field of expertise in solving problems in society or industry, compiling scientific conceptions and the results of their studies based on scientific principles, procedures, and ethics in the form of a thesis published in an accredited scientific journal; and prevent plagiarism (CPL 2)

CPL 3 (GENERAL SKILLS)

Able to identify the scientific field that is the object of his research and position it into a research map developed through an inter or multidisciplinary approach; as well as communicating through the media to the academic community, the wider community, and with colleagues to maintain cooperative relationships, **ESPECIALLY IN SUPPORTING A HEALTHY AND INDEPENDENT COMMUNITY LIFE PROGRAM** (CPL 3)

CPL 4 (SPECIAL SKILLS)

Able to develop knowledge of Public Health Sciences and utilize studies of epidemiology, biostatistics, management, and behavior as methods and tools to assess

environmental factors, including the work environment, and socio-cultural factors on health through research, so as to produce innovative and tested work, ESPECIALLY IN SUPPORTING A HEALTHY AND INDEPENDENT COMMUNITY LIFE PROGRAM.

CPL 5 (SPECIAL SKILLS)

Able to solve health problems using Public Health Sciences through inter and multidisciplinary approaches to be able to plan, implement and evaluate primary, secondary, and tertiary health care programs.

CPL 6 (SPECIAL SKILLS)

Able to manage research and development that is beneficial to society and science to gain national and international recognition, ESPECIALLY IN SUPPORTING A HEALTHY AND INDEPENDENT COMMUNITY LIFE PROGRAM.

CPL 7 (SPECIAL SKILLS)

Able to communicate work results and be responsible for their own work so that they can be given responsibility for achieving work results in secondary and tertiary health service organizations.

CPL 8 (KNOWLEDGE)

Mastering theoretical concepts and advanced studies in the fields of management, administration, social and behavioral sciences for the deepening of public health knowledge. ESPECIALLY IN SUPPORTING A HEALTHY AND INDEPENDENT COMMUNITY LIFE PROGRAM.

CPL 9 (KNOWLEDGE)

Mastering theoretical concepts and in-depth analysis for the fields of knowledge of epidemiology, biostatistics, environmental health/occupational health, in particular, to be able to formulate procedural solutions to health problems, ESPECIALLY IN SUPPORTING A HEALTHY AND INDEPENDENT COMMUNITY LIFE PROGRAM.

III. Public Health Competence (Academic Paper of AIPTKMI-IAKMI , 2012)

1. Able to conduct study and situation analysis (Analytic/assessment skills)
2. Able to develop policy and program planning (Policy development/program planning skills)
3. Able to communicate effectively (Communication skills)
4. Able to understand the local culture (Cultural competency skills)
5. Able to carry out community empowerment (community empowerment)
6. Have a mastery of public health science (Public health science skills)
7. Able to plan finances and skilled in management (Financial Planning & Management Skills)
8. Have leadership and systems thinking skills. (Leadership and system thinking skills).

IV. Vision, Mission, Objectives, and Quality Goals of Study Program

Vision and mission of the Master's Program in Public Health

1. Vision

Competitive Study Program, Global Vision and Based on Islamic Values and Can Play a Role in the Development of Public Health.

2. Mission

- a. Organizing academic programs including teaching, research, integrative and multidisciplinary service that meets national standards for the development of public health science, especially to develop Independent Healthy Community Life."
- b. Produce graduates who are competent in the development of the field of public health through inter and multidisciplinary sciences
- c. Organizing collaborations with government and private institutions at local, national, and international levels in the field of public health to develop the tri dharma field of higher education.
- d. Integrating Islamic values into leadership in the field of public health.

3. Objectives

- a. Able to solve problems in science, technology, and art in the field of public health through an inter and multidisciplinary approach.
- b. Able to manage and lead institutions/organizations providing health services.

- c. Develop research and development that is beneficial to science and mankind and is able to gain local, national, and international recognition in the field of public health.

V. Specialization

There are specializations in the master program in public health studies:

1. Hospital Management
2. Environmental Health and
3. Health Promotion
4. Epidemiology
5. Occupational Health and Safety

VI. Curriculum in general

The curriculum in the Master's Program in Public Health is structured, taking into account the capabilities of universities and market needs. The Public Health Masters curriculum was approved by the Rector's Decree No. 39.A of 2019 concerning the Curriculum of the Master's Program in Public Health at Universitas Ahmad Dahlan, which refers to the National Standards Curriculum for Masters in Public Health set out at the AIPTKMI National Conference in Makassar 1-2 November 2016.

Where it has been agreed that the Masters in Public Health Curriculum consists of the Main Competencies and competencies of specialization, vision and mission, and the uniqueness of the university. The main competencies consist of two core competencies and interdisciplinary competencies. The following is a description of the core competency courses and interdisciplinary competencies contained in the Master of Public Health Study Program at Universitas Ahmad Dahlan, which are in accordance with the curriculum standards of the Master of Public Health:

1. Main Competence
 - a. Core Competencies
 - 1) Biostatistics
 - 2) Epidemiology
 - 3) Environmental Health Science & Safety
 - 4) Health Policy and Management

5) Social and Behavioral Sciences

In the core competencies, there are additional courses from the study program, namely English and scientific writing, so that the credit weight becomes 20 credits because it can increase global insight and increase research competitiveness for graduates.

b. Interdisciplinary Competence

- 1) Research Methodology (Quantitative & Qualitative)
- 2) Leadership & System Thinking
- 3) Global Health

2. Competency of Specialization, Study Mission Vision and Distinctive Program of Higher Education

The following is a description of the competency courses of the specialization, vision, and mission and the peculiarities of higher education (*Keislaman and Kemuhammadiyahan*) in the Master's Program in Public Health at Universitas Ahmad Dahlan with five specializations, namely Health Promotion, Environmental Health, Hospital Management, Occupational Safety, and Health and Epidemiology.

All courses are spread out, both in the main competencies and in the vision, mission, and distinctiveness competencies of higher education, to produce graduates who are able to develop knowledge and apply their knowledge to the public in the field of public health.

CREDIT LOAD:

- a. Main Competencies cover 20 credits
- b. Competency of Specialization, Vision, and Mission of Study Program covers 18 credits
- c. The uniqueness of higher education includes 0 credits (Certification)
- d. Thesis writing includes 4 credits

Total 40 credits.

The composition of the distribution of courses in the Master of Public Health Study Program is as follows:

1st Semester

No	Course Code	Course	Status	Sem	Credits	Course Prerequisite
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						Code
1	215310120	Biostatistics	Mandatory	1	2	
2	215310220	Epidemiology	Mandatory	1	2	
3	215310320	Global Health	Mandatory	1	2	
4	215310420	Social Sciences and Behaviour	Mandatory	1	2	
5	215310520	Leadership and Systems Thinking	Mandatory	1	2	
6	215310620	Environmental Health Management	Mandatory	1	2	
7	215310720	Research Methodology	Mandatory	1	2	
Total credits					14	

2nd Semester

No	Course Code	Course	Status	Sem	Credits	Course Prerequisite Code
1	215320120	English	Mandatory	2	2	
2	215320220	Scientific Writing	Mandatory	2	2	
SPECIALIZATION ON ENVIRONMENTAL HEALTH						
3	215320320	Environmental Epidemiology	Mandatory	2	2	
4	215320420	Urban Environmental Health and Settlement	Mandatory	2	2	
5	215320520	Food Control Management	Mandatory	2	2	
6	215320620	Region-Based Disease Management	Mandatory	2	2	
7	215320720	Environmental Control and Vector	Mandatory	2	2	
SPECIALIZATION ON HOSPITAL MANAGEMENT						
3	215320830	Hospital Health Policy Administration Management	Mandatory	2	3	
4	215320920	Hospital Financial Management	Mandatory	2	2	
5	215321020	Hospital Quality Management	Mandatory	2	2	
6	215321120	Hospital Marketing Management	Mandatory	2	2	
7	215321230	Hospital Human Resource Management	Mandatory	2	3	
SPECIALIZATION ON HEALTH PROMOTION						
3	215321320	Media and Health Communication	Mandatory	2	2	
4	215321420	Qualitative Research Method	Mandatory	2	2	
5	215321520	Community Empowerment, Networking and Advocacy	Mandatory	2	2	
6	215321620	Health Promotion Financing	Mandatory	2	2	
7	215321720	Evidence-based Health	Mandatory	2	2	

Promotion Program						
SPECIALIZATION ON EPIDEMIOLOGY						
3	215321821	Advanced Biostatistics	Mandatory	2	2	
4	215321920	Interpersonal Communication and Advocacy	Mandatory	2	2	
5	215322020	Independent Healthy Community Empowerment	Mandatory	2	2	
6	215322120	Outbreak Investigation Plan	Mandatory	2	2	
7	215322220	Epidemiological Surveillance	Mandatory	2	2	
SPECIALIZATION ON OCCUPATIONAL HEALTH AND SAFETY						
3	215322320	Occupational Safety and Health Ergonomics	Mandatory	2	2	
4	215322420	Industrial Hygiene and Toxicology	Mandatory	2	2	
5	215322520	Occupational Health and Nutrition	Mandatory	2	2	
6	215322620	Fire and Disaster Management	Mandatory	2	2	
7	215322720	Occupational Diseases	Mandatory	2	2	
Total Credits					14	

3rd Semester

No	Course Code	Course	Status	Sem	Credits	Course Prerequisite Code
SPECIALIZATION ON ENVIRONMENTAL HEALTH						
1	215330120	Environmental Health Laboratory Management	Mandatory	3	2	
2	215330220	Environmental Health Surveillance	Mandatory	3	2	
3	215330320	Environmental Toxicology	Mandatory	3	2	
		Specialization Courses	Elective Specialization	3	2	
SPECIALIZATION ON HOSPITAL MANAGEMENT						
1	215330420	Medical Support Management and Medical Services	Mandatory	3	2	
2	215330520	Hospital Strategic Management	Mandatory	3	2	
		Specialization Courses	Elective Specialization	3	2	
SPECIALIZATION ON HEALTH PROMOTION						
1	215330620	Concept of Behaviour Research	Mandatory	3	2	
2	215330721	Field Practice: Health Promotion	Mandatory	3	2	
3	215330820	Health Promotion and Behaviour Change	Mandatory	3	2	
		Specialization Courses	Elective	3	2	

			Specialization			
SPECIALIZATION ON EPIDEMIOLOGY						
1	215330921	Epidemiology Application	Mandatory	3	2	
2	215331021	Outbreak Investigation Application	Mandatory	3	2	
3	215331120	Managerial Epidemiology	Mandatory	3	2	
		Specialization Courses	Elective Specialization	3	2	
SPECIALIZATION ON OCCUPATIONAL SAFETY AND HEALTH						
1	215331220	Occupational Safety and Health Management	Mandatory	3	2	
2	215331320	Psychology and Promotion of Occupational Safety and Health	Mandatory	3	2	
3	215331421	Hazard and Risk Control Techniques	Mandatory	3	2	
		Specialization Courses	Elective Specialization	3	2	
Total Credits					8	

Specialization Courses 3rd Semester

No	Course Code	Course	Status	Sem	Credits	Course Prerequisite Code
SPECIALIZATION ON HEALTH ENVIRONMENT						
1	215331522	Management of environmental management policy	Elective Specialization	3	2	
2	215331621	Environmental Geographic Information System	Elective Specialization	3	2	
SPECIALIZATION ON HOSPITAL MANAGEMENT						
1	215331720	Health Law Ethics	Elective Specialization	3	2	
2	215331820	Work Management	Elective Specialization	3	2	
SPECIALIZATION ON HEALTH PROMOTION						
1	215331920	Health Social Capital	Elective Specialization	3	2	
2	215332021	Special Group Health Promotion Program	Elective Specialization	3	2	
SPECIALIZATION ON EPIDEMIOLOGY						
1	215332120	Epidemiology of Tropical Diseases	Elective Specialization	3	2	
2	215332220	Epidemiology of Travellers Disease	Elective Specialization	3	2	
3	215332320	Epidemiological Information System	Elective Specialization	3	2	

SPECIALIZATION ON PUBLIC OCCUPATIONAL HEALTH AND SAFETY						
1	215332420	Industrial Occupational Health and Safety	Elective Specialization	3	2	
2	215332520	Public Occupational Health and Safety	Elective Specialization	3	2	
Total Credits					2	

4th Semester

No	Course Code	Course	Status	Sem	Credits	Course Prerequisite Code
1	215340140	Thesis	Mandatory	4	4	
sia					4	

Total credits

40

VII. Graduate Profile

The Public Health Masters Program produces graduates who are able to develop their knowledge and apply their knowledge through research results and community service in the field of public health, as well as leadership and collaboration skills in problem-solving skills, especially in developing independent healthy community life.

The graduate profile is determined based on the results of a study of the needs of the job market, both by the government, the business world, and also industry. In addition, the graduate profile is also based on the need for the development of science and technology and is based on the Public Health Education Academic Paper, which has been prepared by the Public Health professional association. The profile of graduates of the Master of Health Study Program specializing in Hospital Management is formulated by involving the Public Health Study Program (PSKM FKM UAD) and stakeholders (graduate users) so that the graduate profile obtained can be accepted nationally.

Profiles of graduates and learning outcomes of the Masters in Public Health Program are prepared in accordance with the description of the KKNI level 8 (eight) and are based on Permenristekdikti Number 44 of 2015 concerning National Standards for Higher Education (SNPT). The profile of graduates of the Master of Public Health program is described in terms of learning achievement parameters, namely the

parameters of attitudes, general skills, special skills, and knowledge as stated in the SN DIKTI.

Based on the study program meeting analysis, there are several excellent study programs to achieve excellence in the study program, as shown in the following table.

Main Courses of Study Program Master in Public Health in Achieving a Graduate Profile

PROFILE		COMPETENCE	STUDY MATERIAL	COURSES
BASIC PROFILE	Moral and intellectual	Able to apply Islamic values in the fields of education, research, and community service	Religious	AIK
			Scientific practice	Prodamat
			Scientific work	THESIS
PROFILE OF MASTER OF PUBLIC HEALTH /MAIN	RESEARCHER	Able to develop science through research with effective and innovative inter or multidisciplinary approaches in the field of public health, especially in supporting independent healthy community life programs	Research methodology	BIOSTATISTICS
			FIELDS OF SCIENCE	RESEARCH METHODOLOGY
			PAPERS	SCIENTIFIC WRITING
				Advanced Biostatistics
				EPIDEMIOLOGY
				Quality Management (R)
				Scientific writing (R)
				Environmental Epidemiology (R)
				Environmental and Vector Control (R)
				Environmental Health Surveillance (R)

				Qualitative Research Methods (R)
				Evidence-Based Health Promotion Program (R)
				Health Promotion and Behavior Change (R)
				Behavioral Research Concepts (R)
				Field Practice: Health Promotion (R)
				Outbreak Investigation Plan (R)
				Epidemiological Surveillance (R)
				Occupational Safety and Health Ergonomics (R)
				Industrial Hygiene and Toxicology (R)
				Occupational Health and Nutrition (R)
				Occupational Diseases (R)
				Hazard and Risk Control Techniques (R)
				Public Occupational Health and Safety (R)
	LEADER	Able to apply leadership in solving problems in the field of public health in institutions/organization	SCOPE OF PUBLIC HEALTH SCIENCES	Leadership and Systems Thinking
			SYSTEM THINKING	Social Sciences and Behaviour

		s providing health services		(L)
			LEADERSHIP	Global Health (I)
				Urban Environmental Health and Settlement (L)
				Community Empowerment , Networking and Advocacy
				Independent Healthy Community Empowerment
				Epidemiology of Travellers Disease (L)
				Fire and Disaster Management (L)
				Human Resource Management
	COMMUNICATIONS AND INNOVATORS	Able to communicate to provide innovation in health promotive and preventive programs, ESPECIALLY IN SUPPORTING INDEPENDENT HEALTHY COMMUNITY LIFE PROGRAMS	BEHAVIORAL RESEARCH	English
			BEHAVIOR THEORY	Media and Health Communication
			HEALTH COMMUNICATION AND MEDIA PRACTICES, THEORIES AND SKILLS	Interpersonal Communication and Advocacy
			PRESENTATION ABILITY	Health Law Ethics/Work

				management
				Psychology and Promotion of Occupational Safety and Health (K)
	MANAGER	Able to plan public health at the secondary health service program level with a multidisciplinary approach	HEALTH PLANNING ABILITY	Hospital Health Policy Administration Management
			MANAGEMENT GOVERNANCE	Hospital Financial Management
				Environmental Health Management
				Quality Management
				Marketing Management
				Medical Support Management and Medical Services
				Strategic Management
				Food Control Management
				Region-Based Disease Management
				Environmental Health Laboratory Management
				Management of environmental management policy / Environmental Geographic Information

				System
				Health Promotion Financing (M)
				Health Social Capital/ Special Group Health Promotion Program (M)
				Epidemiology of Tropical Diseases
				Epidemiological Information System (M)
				Epidemiology Application (M)
				Outbreak Investigation Application (M)
				Managerial Epidemiology (M)
				Occupational Safety and Health Management
				Industrial Occupational Health and Safety (M)

VIII. Closing

Thus the Higher Education Curriculum (KPT) based on the 2014 KKNI-SNPT in the Public Health Masters Program of UAD is based on the profile of the graduates you want to produce, who will be able to devote their expertise in various professions. This document is submitted as an attachment to obtain approval for the submission of the Master's Program in Public Health of UAD.