

**RENCANA PROGRAM DAN
KEGIATAN PEMBELAJARAN SEMESTER
(RPKPS)**



Public Health Surveillance

(Semester 1/2 SKS/KUI 6101)

(Program Studi S2 Ilmu Kesehatan Masyarakat)

Oleh:

dr. Riris Andono Ahmad, MPH, PhD

**Universitas Gadjah Mada
Fakultas Kedokteran, Kesehatan Masyarakat dan Keperawatan
2019**



Universitas Gadjah Mada

Fakultas Fakultas Kedokteran, Kesehatan Masyarakat, dan Keperawatan
Departemen/Program Studi S2 Ilmu Kesehatan Masyarakat

RENCANA PROGRAM DAN KEGIATAN PEMBELAJARAN SEMESTER (RPKPS)

Kode Mata Kuliah	Nama Mata Kuliah	Bobot (sks)	Semester	Status Mata Kuliah	Mata Kuliah Prasyarat
6101	Public Health Surveillance 1	2	1	Core

Capaian Pembelajaran Lulusan (CPL) yang dibebankan pada MK	SKM1. List public health surveillance concept				
	SKM2. Describe definition, aimed and the use of public health surveillance				
	SKM3. Discuss decision support system				
	SKM4. Describe and discuss the level of surveillance system (global, national and local)				
	SKM5. Describe the strategy of surveillance system				
	SKM6. Discuss concept of public health response based on surveillance data				
	SKM7. Describe and explain the steps and component of setting up public health surveillance				
	SKM8. Identification of data source and the operational of surveillance system				
	SKM9. Discuss the need of data integration and it's challenge				
	SKM10. Define and discuss analysis for surveillance data and the interpretation				
	SKM11. Describe disease modeling from surveillance data				
	SKM12. Discuss appropriate response based on surveillance data				
	SKM13. Describe and explain steps and components in evaluating a public health surveillance system				

Capaian Pembelajaran Mata Kuliah (CPMK)	CPMK1	Introduction to teaching method and public health surveillance : Contagion Movie Play
	CPMK2	Public health surveillance overview
	CPMK3	Surveillance System Strategy
	CPMK4	Setting Up A Surveillance System
	CPMK5	Tutorial 1 : Setting up a surveillance system
	CPMK6	Data collection for surveillance
	CPMK7	Tutorial 2 : Data collection for surveillance system
	CPMK8	Architecture, Data Integration and Supporting Technology
	CPMK9	Analysis Surveillance Data and Interpretation
	CPMK10	Tutorial 3 (part1): Analysis and Intepretation of Surveillance Data
	CPMK11	Tutorial 3 (part2): Analysis and Intepretation of Surveillance Data
	CPMK12	Risk Factor Surveillances
	CPMK13	Hospital Surveillance
	CPMK14	Disaster Surveillance
	CPMK15	Public Health Response
	CPMK16	Monitoring and Evaluation of Public Health Surveillance
	CPMK17	Tutorial 4 (part1): Evaluation of Surveillance System

Deskripsi Singkat Mata Kuliah	This course will introduce the students to the essentials, principle, setting up and evaluating public health surveillance covers communicable, non-communicable disease surveillance. This course also cover risk factors surveillance include vector surveillance and it used for preventing and measuring burden of public health occurrence. Development of public health surveillance within centuries will be also discussed during the course. Students will be guided to explore systems and processes that support surveillance activities through combination of lectures, case studies and class discussion.																								
Bahan Kajian/Materi Pembelajaran																									
Metode Penilaian dan Kaitan dengan CPMK	<table border="1" data-bbox="446 555 1569 685"> <thead> <tr> <th>Komponen Penilaian</th> <th>Persentase</th> <th>CPMK 1</th> <th>CPMK 2</th> <th>CPMK 3</th> <th>CPMK 4</th> <th>CPMK 5</th> <th>CPMK n</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p data-bbox="446 734 1118 760">Regular grades are awarded for this course (A, B, C, D, E)</p> <p data-bbox="446 766 833 792">Student grades will be based on:</p> <p data-bbox="446 799 612 824">A ≥ 90%</p> <p data-bbox="446 831 591 857">B ≥ 80%</p> <p data-bbox="446 863 591 889">C ≥ 70%</p> <p data-bbox="446 896 591 922">D ≥ 60%</p> <p data-bbox="446 928 591 954">E ≤ 60%</p> <p data-bbox="446 977 881 1003">Homework assignment 30%</p> <p data-bbox="446 1010 881 1036">Tutorial works activity 30%</p> <p data-bbox="446 1042 881 1068">Final examination 40%</p>	Komponen Penilaian	Persentase	CPMK 1	CPMK 2	CPMK 3	CPMK 4	CPMK 5	CPMK n																
Komponen Penilaian	Persentase	CPMK 1	CPMK 2	CPMK 3	CPMK 4	CPMK 5	CPMK n																		
Daftar Bahan dan Referensi	<p data-bbox="446 1162 774 1188">The textbook for this course is</p> <ul data-bbox="446 1195 2505 1360" style="list-style-type: none"> <li data-bbox="446 1195 1849 1221">▪ Thacker SB, Birkhead GS. Surveillance. In Gregg M, Epidemiologi Lapangan, Ed 3rd : Terjemahan Bahasa Indonesia; <li data-bbox="446 1227 2376 1253">▪ Lee LM, Teutsch SM, Thacker SB, St. Louis M, Eds. Principles and practice of public health surveillance. 3 rd ed. Oxford, England: Oxford University Press; 2010. <li data-bbox="446 1260 2456 1286">▪ Centers for Disease Control and Prevention. CDC’s vision for public health surveillance in the 21st century. Morb Mortal Wkly Rep 2012;61(Suppl, July 27, 2012):1–40 <li data-bbox="446 1292 2505 1360">▪ Centers for Disease Control and Prevention. Updated guidelines for evaluating public health surveillance systems: recommendations from the Guidelines Working Group. MMWR Recommend Rep 2001;50(No. RR-13). 																								

	<ul style="list-style-type: none"> Centers for Disease Control and Prevention (CDC). Principles of epidemiology in public health practice [Self-Study Course]. 3rd ed. Atlanta, GA: US Department of Health and Human Services, CDC; 2006. http://www.cdc.gov/osels/scientific_edu/ss1978/SS1978.pdf. 			
Nama Dosen Pengampu (<i>Team Teaching</i>)	Prof. dr. Hari Kusnanto, DrPH dr.Riris Andono Ahmad, MPH, PhD Anis Fuad, S.Ked, DEA dr.Citra Indriani, MPH dr.Risalia Reni A, MPH drg.Th. Baning Rahayujati, M.Kes dr.RMS Haripurnomo Kushadiwijaya, DrPH			
Otorisasi	Tanggal Penyusunan	Koordinator Mata Kuliah	Koordinator Bidang Keahlian (Jika Ada)	Ketua Program Studi
		<i>Tanda Tangan Nama Terang</i>	<i>Tanda Tangan Nama Terang</i>	<i>Tanda Tangan Nama Terang</i>

Keterangan :

Penilaian pembelajaran (3), (4), (5) dapat berupa:

Metode:

Tatap muka: observasi, tes tertulis, kuis, dsb

Daring: tugas *essay*, *feedback*, penilaian teman sejawat, penyusunan proposal, penyusunan paper, dsb

Instrumen

Tatap muka: soal *essay*, dsb

Daring: pilihan ganda, dsb

Bobot nilai

Bahan kajian (6) dapat berupa:

Sumber belajar yang diberikan oleh pengampu MK, jelaskan substansinya

Sumber belajar yang diperoleh mahasiswa secara online dalam bentuk teks, *slides*, *audio*, *video* dsb, jelaskan substansinya.

Metode pembelajaran (7) dapat berupa:

Metode tatap muka: pemaparan, *collaborative learning*, *problem based learning*, dsb

Metode daring: *self learning*, tugas terstruktur, *essay writing*, dsb

Beban waktu pembelajaran (8):

Tatap muka 2 x 50 menit, atau

Daring 2 x 60 menit belajar mandiri, 2 x 60 menit tugas terstruktur

Pengalaman belajar/aktivitas mahasiswa (9) dapat berupa:

Tatap muka: belajar berkelompok, berdiskusi, berdebat secara konstruktif, pemecahan masalah, dsb

Daring: belajar mandiri, berlatih mengkaji literature, berlatih menulis *essay*, dsb

Media pembelajaran (10) dapat berupa:

Tatap muka: computer, in focus, alat tulis, alat peraga, dsb

Daring: computer, *gadget*, akses internet, dsb