

	MODULE DESCRIPTION PRODI S1 FARMASI-JURUSAN KIMIA FMIPA UNIB PHARMACOTHERAPY OF INFECTION, CANCER AND MUSCULOSKELETA					S1F-4
	Module Code: FRS-373	Credit Points (T/P): (3/0)	Semester: III	Lesson field: Community and Clinical Pharmacy	Coord of Study Program:	Authorization: 
	Preparation Date: 00	Last Amandement Date: -	Responsible Person: Dian Handayani, S.Farm., M.Farm., Apt (DH) Reza Rahmawati, S.Farm., M.Clin.Pharm., Apt (RR)		Dwi Dominica, S.Farm., M.Farm., Apt	

Intended Learning Outcome (ILO/CP)	ILO/CP-PRODI : 1. (STN11)-Able to be responsible for individual or group assignment; 2. (STN14) -Able to act according to statutory provisions, norms, and pharmaceutical ethics. 3. (KU5)- Able to make appropriate decisions in order to solving problems in their expertise area based on the results of analysis of information and data. 4. (KK2)- Identify drug related problem and alternative solutions. 5. (P7)- Explain consideration drug of choice 6. (P10)- Able to give drug and medication information.
	CP-Module : 1. Able to understand management of therapy in infection disease and cancer 2. Able to practice counseling for patients and identify any factors related to outcome therapy
Short Description	Pharmacotherapy of infection, cancer, and musculoskeletal discuss about management therapy of infectious disease, able to interpret clinical data and analyze factor related to outcome therapy of hepatitis, typhoid fever, tuberculosis, HIV AIDS, UTI, Cancer and Musculoskeletal

Proses pembelajaran di Program Studi S1 Farmasi meliputi Perkuliahan, Kerja Paraktek dan Tugas Akhir. Ada 6 dokumen yang terkait dengan pedoman perkuliahan, yakni CP, Silabus, Peta CP, RP, RE dan UT					
S1F-1 : Capaian Pembelajaran Prodi	S1F-2 : Silabus Mata Kuliah	S1F-3 : Peta CP-MK	S1F-4 : Rencana Pembelajaran	S1F-5 : Rencana Evaluasi	S1F-6 : Uraian Tugas

Module Content	Definition of disease Epidemiology Etiology Management therapy. Case					
Recommended Literatures	Primary literature : 1. Pharmacotherapy Dipiro 2. Handbook of Clical Drug Data 3. Pharmacotherapy Principal and Practice 4. Koda-Kimble & Young's Applied Therapeutics Secondary literature : 1. Drug Information Handbook 2. Therapeutic Guidelines					
Planned use/applicability	Software : OS:Windows; Office Hardware : PC & LCD Projector					
Team Teaching	Dian Handayani.,S.Farm.,Apt.,M.Farm Reza Rahmawati.,S.Farm.,Apt.,M.Clin.Pharm.Apt.					
Admission Requirement	Pharmacotherapy of Infection, Cancer and Musculoskeletal (FRS-262/2 sks)					
Week	Sub-ILO/CP-Module	Indicator(s)	Assessment Types	Teaching Method(s) and Work Load [&Time Estimation]	Module Content [&Literature]	Assessment Percentage(%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)

Proses pembelajaran di Program Studi S1 Farmasi meliputi Perkuliahan, Kerja Paraktek dan Tugas Akhir. Ada 6 dokumen yang terkait dengan pedoman perkuliahan, yakni CP, Silabus, Peta CP, RP, RE dan UT					
S1F-1 : Capaian Pembelajaran Prodi	S1F-2 : Silabus Mata Kuliah	S1F-3 : Peta CP-MK	S1F-4 : Rencana Pembelajaran	S1F-5 : Rencana Evaluasi	S1F-6 : Uraian Tugas

1,2	1. Able to understand and analyze the results of interpretation of patient clinical data (STN14, KU5, KK2, P8)	●Accuracy in explaining patient clinical data ●Accuracy of explaining patient laboratory data	●Case study of interpretation clinical data	●Discourse and group discussion, [TM: 3x(2x50'')] • Journal and PPT reading [TM:3x(2x50'')] • (Assignment 1: explain the patient clinical data	• Definition of clinical data • Goal of interpretation clinical data ●Type of clinical laboratory data	5%
3	1. Able to understand type of hepatitis disease (STN-11, KU-5, KK-2, P-7) 2. Able to analyze management therapy of hepatitis (STN-11, KU-5, KK-2, P-7)	●Accuracy in explain type of hepatitis disease ●Accuracy in explain drug of choice in hepatitis disease ●Accuracy in explain management therapy of hepatitis	Non Tes : ● Root MapSPO ●Poster tentang SPO (kreatifitas & kompleksitas)	●Discourse and Group discussion, [TM: 3x(2x50'')] • Journal and PPT reading [TM: 3x(1x50'')]	• Definition of hepatitis • Type of hepatitis • Management therapy of hepatitis.	5%

Proses pembelajaran di Program Studi S1 Farmasi meliputi Perkuliahan, Kerja Paraktek dan Tugas Akhir. Ada 6 dokumen yang terkait dengan pedoman perkuliahan, yakni CP, Silabus, Peta CP, RP, RE dan UT					
S1F-1 : Capaian Pembelajaran Prodi	S1F-2 : Silabus Mata Kuliah	S1F-3 : Peta CP-MK	S1F-4 : Rencana Pembelajaran	S1F-5 : Rencana Evaluasi	S1F-6 : Uraian Tugas

4	1. Able to understand management therapy and analyze factor related to outcome therapy of typhoid fever (STN14, KU5, KK2, P8	●Accuracy in explain typhoid fever ●Accuracy in explain drug if choice in typhoid fever ●Accuracy in explain management therapy in typhoid fever	●Case study of typhoid disease	●Discourse and group discussion, [TM: 3x(2x50”)] • Journal and PPT reading [TM: 3x(1x50”)]	• Definition • Pathophisioplogy • Classification • Management Therapy	5%
5	1. Able to understand therapy and analyze factor related to outcome therapy of pulmonary TB (STN14, KU5, KK2, P8	●Accuracy in explain about pulmonary TB ●Accuracy in explain type of pulmonary TB ●Accuracy in explain management therapy of pulmonary TB.	● Case study of Pulmonary TB	●Discourse and group discussion, [TM: 3x(2x50”)] • Journal and PPT reading [TM: 3x(1x50”)]	• Definition • Clinical manifestation • Management therapy	5%

Proses pembelajaran di Program Studi S1 Farmasi meliputi Perkuliahan, Kerja Paraktek dan Tugas Akhir. Ada 6 dokumen yang terkait dengan pedoman perkuliahan, yakni CP, Silabus, Peta CP, RP, RE dan UT					
S1F-1 : Capaian Pembelajaran Prodi	S1F-2 : Silabus Mata Kuliah	S1F-3 : Peta CP-MK	S1F-4 : Rencana Pembelajaran	S1F-5 : Rencana Evaluasi	S1F-6 : Uraian Tugas

6,7	1. Able to understand therapy and analyze factor related to outcome therapy of HIV AIDS (STN14, KU5, KK2, P8	• Accuracy in explain HIV AIDS. • Accuracy in explain classification of HIV AIDS • Accuracy in explain management therapy of HIV AIDS	• Case study of HIV AIDS • Quiz	• Discourse and Group discussion, [TM: 3x(2x50")] • Journal and PPT reading [TM: 3x(1x50")]	• Definition of HIV AIDS • Clinical manifestation HIV AIDS • Classification of HIV AIDS • Management therapy of HIV AIDS	5%
8	Midsemester examination					20%
9	1. Able to understand therapy and analyze factor related to outcome therapy of urinary tract infection (UTI) (STN11, STN14, KU5, KK2, P8	• Accuracy in explain UTI • Accuracy in explain classification of UTI • Accuracy in explain management therapy of UTI.	• Case study of UTI.	• Discourse and Group discussion, [TM: 3x(2x50")] • Journal and PPT reading [TM: 3x(1x50")]	• Epidemiology UTI • Etiology UTI • Management therapy of UTI	3%

Proses pembelajaran di Program Studi S1 Farmasi meliputi Perkuliahan, Kerja Paraktek dan Tugas Akhir. Ada 6 dokumen yang terkait dengan pedoman perkuliahan, yakni CP, Silabus, Peta CP, RP, RE dan UT					
S1F-1 : Capaian Pembelajaran Prodi	S1F-2 : Silabus Mata Kuliah	S1F-3 : Peta CP-MK	S1F-4 : Rencana Pembelajaran	S1F-5 : Rencana Evaluasi	S1F-6 : Uraian Tugas

10	1. Able to understand about cancer cell (STN 11, STN14, KU5, KK2, P8	●Accuracy in explain about cancer cell ●Accuracy in characteristic of cancer cell ●Accuracy in explain step of development cancer cell.	● Root Map SPO	● Discourse and Group discussion, [TM: 3x(2x50”)] ● Journal and PPT reading [TM: 3x(1x50”)]	• Cancer cell vs normal cell • Step of development cancer cell • Cell cycle in development of cancer cell.	3%
11,12	1. Able to understand therapy and analyze factor related to outcome therapy of breast cancer (STN11, STN14, KU5, KK2, P8	●Accuracy in explain breast cancer ●Accuracy in explain classification of breast cancer ●Accuracy in explain management therapy of breast cancer	● Case study of breast cancer	● Discourse and Group discussion, [TM: 3x(2x50”)] ● Journal and PPT reading [TM: 3x(1x50”)] ● (Assignment-2: solving problem about breast cancer)	• Definition of breast cancer • Etiology of breast cancer • Pharmacology of breast cancer drug • Management therapy of breast cancer.	3%

Proses pembelajaran di Program Studi S1 Farmasi meliputi Perkuliahan, Kerja Paraktek dan Tugas Akhir. Ada 6 dokumen yang terkait dengan pedoman perkuliahan, yakni CP, Silabus, Peta CP, RP, RE dan UT					
S1F-1 : Capaian Pembelajaran Prodi	S1F-2 : Silabus Mata Kuliah	S1F-3 : Peta CP-MK	S1F-4 : Rencana Pembelajaran	S1F-5 : Rencana Evaluasi	S1F-6 : Uraian Tugas

13	1. Able to understand therapy and analyze factor related to outcome therapy of lung cancer (STN11, STN14, KU5, KK2, P8	● Accuracy in explain lung cancer ● Accuracy in explain classification of lung cancer ● Accuracy in explain management therapy of lung cancer	● Study case of lung cancer	● Discourse and Group discussion, [TM: 3x(2x50'')] ● Journal and PPT reading [TM: 3x(1x50'')]	• Definition of lung cancer • Etiology of lung cancer • Drug pharmacology of lung cancer • Management therapy of lung cancer.	3%
14	1. Able to understand therapy and analyze factor related to outcome therapy of leukimia (STN11, STN14, KU5, KK2, P8	● Accuracy in explain leukimia ● Accuracy in explain classification of leukimia ● Accuracy in explain management therapy of leukimia	● Study case of leukimia	● Discourse and Group discussion, [TM: 3x(2x50'')] ● Journal and PPT reading [TM: 3x(1x50'')]	• Definition of leukimia • Etiology of leukimia. • Drug pharmacology of leukimia • Management therapy of leukimia.	3%

Proses pembelajaran di Program Studi S1 Farmasi meliputi Perkuliahan, Kerja Paraktek dan Tugas Akhir. Ada 6 dokumen yang terkait dengan pedoman perkuliahan, yakni CP, Silabus, Peta CP, RP, RE dan UT					
S1F-1 : Capaian Pembelajaran Prodi	S1F-2 : Silabus Mata Kuliah	S1F-3 : Peta CP-MK	S1F-4 : Rencana Pembelajaran	S1F-5 : Rencana Evaluasi	S1F-6 : Uraian Tugas

15	1. Able to understand therapy and analyze factor related to outcome therapy of musculoskeletal disease (STN 11, STN14, KU5, KK2, P8	●Accuracy in explain musculoskeletal disease ●Accuracy in explain classification of musculoskeletal disease ●Accuracy in explain management therapy of musculoskeletal disease	● Study case of musculoskeletal disease	● Discourse and Group discussion, [TM: 3x(2x50'')] ● Journal and PPT reading [TM: 3x(1x50'')]	• Definition of musculoskeletal disease • Etiology of musculoskeletal disease • Drug pharmacology of musculoskeletal disease ● Management therapy of musculoskeletal disease	3%
16	Final examination					29%

Proses pembelajaran di Program Studi S1 Farmasi meliputi Perkuliahan, Kerja Paraktek dan Tugas Akhir. Ada 6 dokumen yang terkait dengan pedoman perkuliahan, yakni CP, Silabus, Peta CP, RP, RE dan UT					
S1F-1 : Capaian Pembelajaran Prodi	S1F-2 : Silabus Mata Kuliah	S1F-3 : Peta CP-MK	S1F-4 : Rencana Pembelajaran	S1F-5 : Rencana Evaluasi	S1F-6 : Uraian Tugas