

Deskripsi Mata Kuliah 4 : Farmakokinetika Klinik and Therapeutic Drug Monitoring (2 SKS)

Farmakokinetika Klinik and Therapeutic Drug Monitoring	
Kode/Status	: MFK 607/Wajib
Level	: Magister
Semester	: 1
Koordinator Mata kuliah/Dosen	: Djoko Wahyono Purwantiningsih
Bahasa	: Bahasa Indonesia
Metode ajar/durasi kelas per minggu selama 1 semester	: Kuliah, diskusi; 2 jam/minggu and 14 minggu dalam 1 semester.
Beban kerja	: kegiatan tatap muka 100 menit, penugasan terstruktur 120 menit, kegiatan mandiri 120 menit per minggu per semester
Jumlah SKS	: 2 SKS
Prasyarat	: Tidak ada
Tujuan/Capaian Pembelajaran Mata Kuliah	: Mahasiswa mampu memahami prinsip dasar farmakokinetika klinik pada berbagai rute pemberian obat, menginterpretasi luaran kerja obat dan merancang regimen dosis berdasarkan kadar obat dalam darah.
Deskripsi	: Mata kuliah Farmakokinetika Klinik dan Therapeutic Drug Monitoring mempelajari prinsip-prinsip farmakokinetik klinik pada obat dengan rute pemberian infus continue, infus intermitten, IV bolus berulang, oral berulang serta penerapan TDM pada obat-obat dengan rute pemberian tersebut.
Metode penilaian	: A-E, Penugasan 10%, UTS 40% dan UAS 50%
Media ajar	: LCD projector, layar, pengeras suara, jaringan internet
Referensi	: <ol style="list-style-type: none">1. Benet LZ, Massoud N, Gambetoglio JG (1984) Pharmacokinetic Basis for Drug Treatment, Raven Press, New York2. Dasgupta A (2008) Introduction to Therapeutic Drug Monitoring. Dalam Dasgupta A (ed) Handbook of Drug Monitoring Methods - Therapeutics and Drugs of Abuse. Humana Press, Totowa NJ3. Hakim L (2012) Farmakokinetik Klinik. Bursa Ilmu, Yogyakarta4. Kashuba ADM, Park JJ, Persky AM, Brouwer KLR (2006) Drug etabolism, Transport, and the Influence of Hepatic Disease. Dalam Burton ME, Shaw LM, Schentag JJ, Evans (eds) Applied Pharmacokinetics and Pharmacodynamics – Principles of Therapeutic Drug Monitoring. 4th ed., Lippincott Williams & Wilkins, Philadelphia5. Rowland M & Tozer TN (1995) Clinical Pharmacokinetics : Concepts and Applications, 3rd ed., Lippincott Williams & Wilkins, A Wolters Kluwer Co., Philadelphia6. Shargel L, Wu-Pong S & Yu ABC (2005) Applied Biopharmaceutics and Pharmacokinetics. 5th ed., McGraw-Hill Medical Publishing Division, Boston7. Winter ME (1994) Basic Clinical Pharmacokinetics, 3rd ed., Applied Therapeutics, Inc., Vancouver8. Cohen H (2015) Casebook in Clinical Pharmacokinetics and Drug Dosing, McGraw-Hill Education, Medical Publishing Division, United States of America9. Birkett DJ (2009), Pharmacokinetics made easy, Pocket Guide, North Ryde, N.S.W. : McGraw-Hill Australia