

## JADWAL KULIAH TEKNIK ANALISIS BIOLOGI MOLEKULER

SEMESTER GENAP TAHUN AKADEMIK 2011/2012

JURUSAN BIOLOGI FMIPA UNIVERSITAS BRAWIJAYA

Hari : Selasa

Pukul : 07.30 – 09.15 WIB

Tempat : MP 1.4

NO.	TANGGAL	TOPIK	DOSEN
1.	21-2-2012	Pendahuluan	F
2.	28-2-2012	Teknik dasar analisis bahan genetik dan cara pengukuran biomolekul secara kualitatif & kuantitatif	F
3.	6-3-2012	Dasar teknik amplifikasi DNA RNA dan aplikasinya	F
4.	13-3-2012	Pembuatan Probe	F
5.	20-3-2012	Analisis polimorfisme	ELA
6.	27-3-2012	Manipulasi genetik	ELA
7.	3-4-2012	Dasar teknik-teknik kloning Molekuler	ELA
8.	10-4-2012	<b>UJIAN TENGAH SEMESTER</b>	<b>TIM</b>
9.	17-4-2012	Hibridisasi: Sistem deteksi gen & level mRNA	ELA
10.	24-4-2012	DNA sequencing	SP
11.	1-5-2012	Teknik dasar isolasi dan presipitasi protein	SP
12.	8-5-2012	Pembuatan kurva protein standard dan mengukur kadar Protein	SP
13.	15-5-2012	Electrophoresis protein	SW
14.	22-5-2012	Analisis Protein	SW
15.	29-5-2012	Immunohistochemistry	SW
16.	5-6-2012	<b>UJIAN AKHIR SEMESTER</b>	<b>TIM</b>

Keterangan:

**F** : Dra. Fatchiyah, M.Kes., Ph.D. (Koordinator)

**ELA** : Dr. Ir. Estri Laras Arumingtyas, M.Sc.St.

**SP** : Drs. Sofy Permana, M.Sc., D.Sc.

**SW** : Dr. Sri Widyarti, M.Si.

**JADWAL KULIAH BIOINFORMATIKA**  
**SEMESTER GENAP TAHUN AKADEMIK 2011/2012**  
**JURUSAN BIOLOGI FMIPA UNIVERSITAS BRAWIJAYA**

Hari : Selasa

Pukul : 09.20 – 10.10 WIB

Tempat : R. Biologi

NO.	TANGGAL	TOPIK	DOSEN
1.	21-2-2012	Pendahuluan	F
2.	28-2-2012	Dasar-dasar browsing and Searching GeneBank: Nucleotide Database	F
3.	6-3-2012	Nucleotide sequence analysis	F
4.	13-3-2012	dbSNP sequence Variation	F
5.	20-3-2012	Polymorfisme and variation genome	ELA
6.	27-3-2012	Comparative genome	ELA
7.	3-4-2012	Taxonomy and evolution	ELA
8.	10-4-2012	<b>UJIAN TENGAH SEMESTER</b>	<b>TIM</b>
9.	17-4-2012	Protein sequence analysis	W
10.	24-4-2012	3D protein analysis	W
11.	1-5-2012	Protein folding	W
12.	8-5-2012	Protein network pathway	W
13.	15-5-2012	Student Presentation: Nucleotide database to genome mapping and analysis	F
14.	22-5-2012	Student Presentation: Polymorphisme to taxonomy mapping	ELA
15.	29-5-2012	Student Presentation: 3D protein to protein folding & network pathway	W
16.	5-6-2012	<b>UJIAN AKHIR SEMESTER</b>	<b>TIM</b>

Keterangan:

**F** : Dra. Fatchiyah, M.Kes., Ph.D. (Koordinator)

**ELA** : Dr. Ir. Estri Laras Arumningtyas, M.Sc.St.

**W** : Widodo, S.Si., M.Si., Ph.D.Med.Sc.

# Kelas A

JADWAL KULIAH : GENETIKA (MAB 4261)

HARI/JAM : RABU/07.30 – 10.10

RUANG: MP 1.4

Dosen Pengajar : Dr. Ir. Estri Laras Arumingtyas, MScSt (ELA, Koordinator); Fatchiyah, PhD (FAT);  
Yoga Dwi Jatmiko, SSi, MSc (YDJ); Widodo, PhD (WDD)

No.	Tanggal	Materi	Dosen
1.	22-02-2012	Pendahuluan, kontrak perkuliahan  Mendelisme : monohybrid, dihibrid, segregasi, independent assortment	ELA
2.	29-02-2012	Teori kemungkinan dan pewarisan sifat( <b>Tugas</b> )	ELA
3.	07-03-2012	Perkecualian Mendel : interaksi alel, interaksi gen, poligen, alel ganda, penentuan seks, terpaut seks ( <b>Kuis</b> )	ELA
4.	14-03-2012	Sexual and asexual reproduction in relation with alternation of generations, sex linked characteristics and their transmission ( <b>SCL</b> )	ELA
5.	21-03-2012	Structure and function of chromosomes and gene (DNA) ( <b>Tugas</b> )	FAT
6.	28-03-2012	Kode genetic, Transkripsi, Translasi dan protein ( <b>Kuis</b> )	FAT
7.	04-04-2012	DNA ekstrakromosomal (DNA plasmid, DNA mitokondria, DNA kloroplas) ( <b>SCL</b> )	FAT
8.	11-04-2012	Cytoplasmic inheritance	FAT
9.	18-04-2012	UTS	TIM
10.	25-04-2012	Mitosis and meiosis, the relation with cell cycle, chromosome movements and definitions of haploid and diploid ( <b>Tugas</b> )	WDD
11.	02-05-2012	Kromosom, variasi kromosom dan kelainan Kromosom ( <b>Kuis</b> )	WDD
12.	09-05-2012	Structure and details of DNA duplication including details of DNA polymerase. ( <b>SCL</b> )	WDD
13.	16-05-2012	Mutasi dan repair DNA	WDD
14.	23-05-2012	Linkage, crossing over dan rekombinasi ( <b>Tugas</b> )	YDJ
15.	30-05-2012	Pemetaan kromosom ( <b>Kuis</b> )	YDJ
16.	06-06-2012	Genetika Populasi ( <b>SCL</b> )	YDJ

## Kelas B

JADWAL KULIAH : GENETIKA (MAB 4261)

HARI/JAM : RABU/11.15 – 12.55

RUANG : MP 1.1

Dosen Pengajar : Dr. Ir. Estri Laras Arumingtyas, MScSt (ELA, Koordinator); Fatchiyah, PhD (FAT);  
Muhaimin Rifai, PhD (MR); Dr. Sri Widyarti, MS (SW).

No.	Tanggal	Materi	Dosen
1.	22-02-2012	Pendahuluan, kontrak perkuliahan Structure and function of chromosomes and gene (DNA) (Tugas)	FAT
2.	29-02-2012	Kode genetic, Transkripsi, Translasi dan protein (Kuis)	FAT
3.	07-03-2012	DNA ekstrakromosomal (DNA plasmid, DNA mitokondria, DNA kloroplas) (SCL)	FAT
4.	14-03-2012	Cytoplasmic inheritance	FAT
5.	21-03-2012	Mendelisme : monohybrid, dihibrid, segregasi, independent assortment(Tugas)	ELA
6.	28-03-2012	Teori kemungkinan dan pewarisan sifat(Kuis)	ELA
7.	04-04-2012	Perkecualian Mendel : interaksi alel, interaksi gen, poligen, alel ganda, penentuan seks, terpaut seks (SCL)	ELA
8.	11-04-2012	Sexual and asexual reproduction in relation with alternation of generations, sex linked characteristics and their transmission	ELA
9.	18-04-2012	UTS	TIM
10.	25-04-2012	Mitosis and meiosis, the relation with cell cycle, chromosome movements and definitions of haploid and diploid (Tugas)	SW
11.	02-05-2012	Kromosom, variasi kromosom dan kelainan Kromosom (Kuis)	SW
12.	09-05-2012	Structure and details of DNA duplication including details of DNA polymerase. (SCL)	SW
13.	16-05-2012	Mutasi dan repair DNA	SW
14.	23-05-2012	Linkage, crossing over dan rekombinasi (Tugas)	MR
15.	30-05-2012	Pemetaan kromosom (Kuis)	MR
16.	06-06-2012	Genetika Populasi (SCL)	MR