

## SYLLABUS OF MOLECULAR BIOLOGY COURSES ON BIOLOGY STUDY PROGRAM

Description :

*Introduction to molecular biology, DNA as material genetic, DNA replication, DNA mutation and Repairation, Transcription, Regulation of trancription on procaryote and eucaryote, Translation, Regulation of Translation on Procaryote and Eucaryote, Protein Targetting, DNA Extrachromosomal*

References :

1. Alberts, B., Bray, D., Lewis, J., Raff, M., Roberts, K., Watson, J.D., 1989, Molecular Biology of The Cell, 2<sup>nd</sup> ed., Garland Publishing, Inc., New York.
2. Darnell, J., Lodish, H., Baltimore, D., 1990, Molecular Cell Biology, Scientific American Books, New York.
3. Freifelder, D., Malacinski, G.M., 1987, Essentials of Molecular Biology, John and Bartlett v Publishers, London.
4. Malestrom. 2009. Nature Reviews Molecular Cell Biology
5. Watson, Baker, Bell, Gann, Levine, Losick. 2004. Molecular biology of the Gene. 5th ed. Pears.
6. Yuwono, T., 2006, Biologi Molekuler, Penerbit Erlangga, Jakarta.