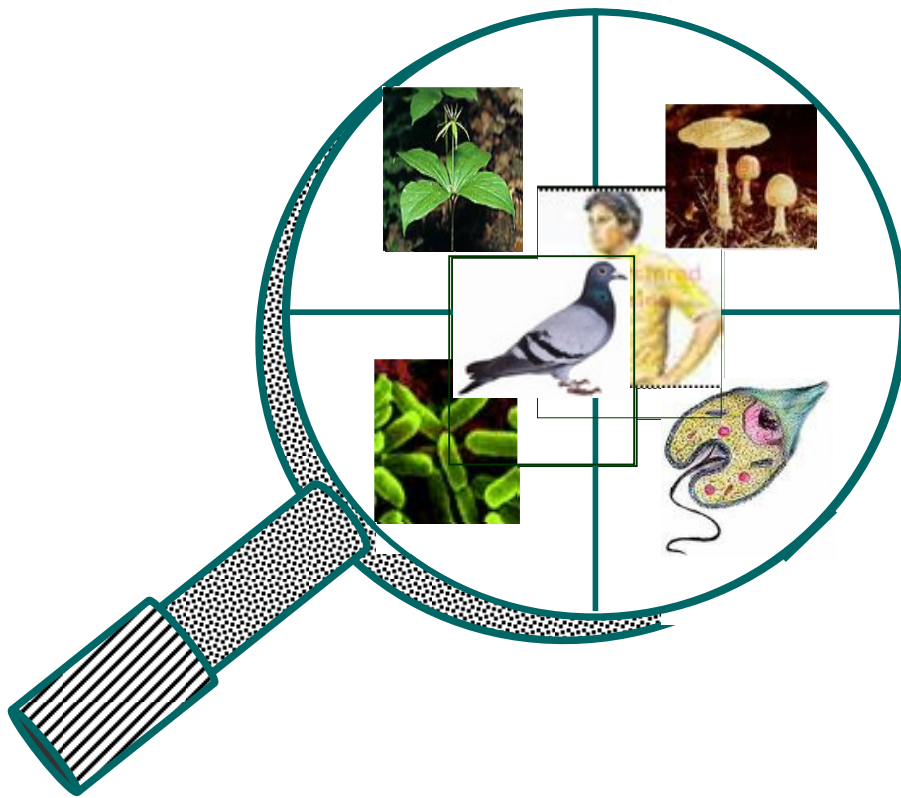


Manual for Laboratory Work

GENERAL BIOLOGY



by :
Dr. Paidi, M.Si

FAKULTY OF MATHEMATICS AND SCIENCE
STATE UNIVERSITY OF YOGYAKARTA
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Foreword

This manual is to guide students in laboratory activity on General Biology. This manual is not only for Biology Education Department's students but also for other departments' students in Faculty of Mathematics and Science, including for Chemistry Education Department's students (bilingual class). This English version of this manual is quite translated from the previous version (Indonesian version: Biologi Umum). This English version of this manual is to support the International classes in Faculty of Mathematics and Science.

Main content and structure of this manual, of course, refer to BSCS, although some other intentions are also accommodated, for instance *Science Technology and Society* (STSE). According to BSCS (edition of 1996), object of biology consist of 5 kingdoms (*monera, protist, fungi, plantae, and animalia*). Themes of problem consist of 7 themes (from *science as inquiry* until *evolution*). The life organization level still consists of 8 levels (molecular, cellular, tissue, organ, individual, population, community, and biome). All of the 3 aspects of BSCS (object, theme of problem and life organization level) are not accommodated completely in this manual, although, some of them are actualized as activities in this manual.

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