

MENYIAPKAN MEDIA TUNGGAL UNTUK *Drosophila* SECARA ALAMI

G. Wayan Seregeg, Endang Susantini, dan Ita Ayu Rianawati

FMIPA - Universitas Negeri Surabaya

ABSTRACT

Preparing some media for Drosophila in Indonesia both for research and education is still facing a big problem. Importing them from some advanced countries needs a big money, spare time, and great effort. Besides, the medium arrival in Indonesia is not always on time scheduled.

Naturally, the food for Drosophila is the fruits which have fragrant smell and sweet. The problem is that the fruit becomes damaged and covered with mold in a very short time, i.e. 5-7 days while the life cycle of Drosophila takes 10-12 days. The natural media can be made durable if they are supplemented with some preservatives. But, the new trouble arises, that is the lack of preservatives availabilities.

This study aims at preparing some single media naturally which are easily gained, cheap, natural (without preservatives) but durable. The method of preparation is very simple. That is, take one ripe fruit, grinded it, then put it into the bottle. That is meant by the natural single medium.

The research results are as follows: (1) the pineapple (medium) lasts 43-46 days; (2) black rise "tape" (fermented food) 31-33 days; white rise "tape" 29-31 days; (4) white cassava "tape" 28-30 days, and yellow cassava "tpae" 20-25 days.

It can be concluded that the pineapple medium and the naturally fermented media are durable.

Key words : *medium, yeast, "tape", pineapple, and fermentation.*