

2. OVULATION

ADLN-Perpustakaan Universitas Airlangga

PENGGUNAAN OVAPRIM DAN PROSTAGLANDIN  $F_{2-\alpha}$   
( $PGF_{2-\alpha}$ ) DENGAN DOSIS YANG BERBEDA SEBAGAI  
INDUKSI OVULASI IKAN MAS (*Cyprinus carpio* L.)

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TESIS



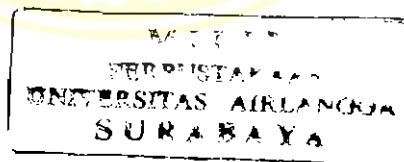
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PROGRAM STUDI ILMU BIOLOGI REPRODUKSI  
PROGRAM PASCASARJANA  
UNIVERSITAS AIRLANGGA  
SURABAYA  
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Untuk memperoleh Gelar Magister  
Dalam Program Studi Ilmu Biologi Reproduksi  
Pada Program Pascasarjana Universitas Airlangga



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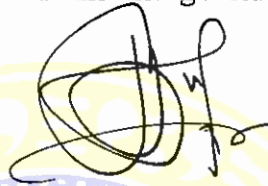
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TANGGAL : 31 Maret 2003

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Pembimbing Ketua



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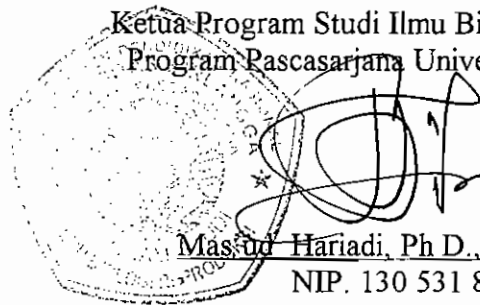
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**ABSTRACT**

A research was carried out on usefulness of ovaprim and Prostaglandin-F2- $\alpha$  (PGF2- $\alpha$ ) on Gold-Fish (*Cyprinus carpio* L) for enhancing their breeding. The parameters of evaluation are "nucleus migration", "female ovulation successful", "ovulation rate", "degree of fertilization", "degree of larva's born from egg" and "survival life of larva". Both testing material was introduced through injection on fish, and each material was injected with doses of 1,5mg/kg.BW and 2,5 mg/kg.BW. Experiment was designed for single and cross-combination of doses to groups of 45 fish.

The result of the experiment showed that giving ovaprim, PGF2- $\alpha$  and mixing both of them (ovaprim + PGF2- $\alpha$ ) to nucleus migration (GVBD), female, ovulation successful, ovulation rate, degree of fertilization and degree of larva's born from egg and survival rate to Gold fish female ovulation (*Cyprinus carpio* L) is exactly different ( $P < 0,05$ ). From the statistic test that the optimal and efficient of dosis treatment is combination ovaprim + PGF2- $\alpha$  with dosis 0,3 ml+1,5 mg/kg weight of fish.

Key word : *Cyprinus carpio* L, PGF2- $\alpha$ , ovaprim, ovulation.