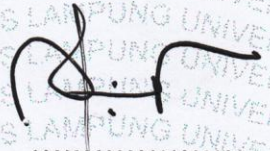


**MENGESAHKAN**

**1. Tim Penguji**

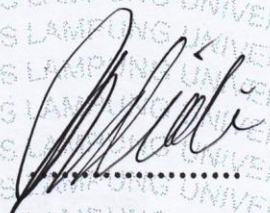
**Ketua**

**: Ir. Dwi Herlanto, M.T.**



**Sekretaris**

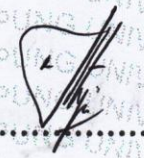
**: Ir. Hadi Ali, M.T.**



**Penguji**

**Bukan Pembimbing**

**: Dr. Rahayu Sulistyorini, S.T., M.T.**



**2. Dekan Fakultas Teknik**



**Prof. DR. Suharno, M.Sc.**

**NIP 19620717 198703 1 002**



**Tanggal Lulus Ujian Skripsi : 13 Agustus 2014**