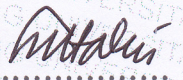


**MENGESAHKAN**

**1. Tim Penguji**

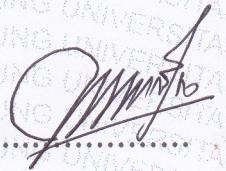
**Ketua**

**: Dr. Eng. Lukmanul Hakim, S.T., M.Sc.** .....



**Sekretaris**

**: Ir. Noer Soedjarwanto, M.T.** .....



**Penguji**

**Bukan Pembimbing**

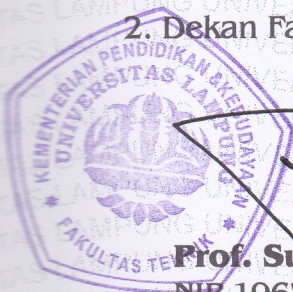
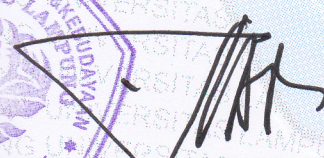
**: Heri Gusmedi, S.T., M.T.** .....



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**Prof. Sulharno, M.Sc., Ph.D.**

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**Tanggal Lulus Ujian Skripsi : 18 Juni 2014**