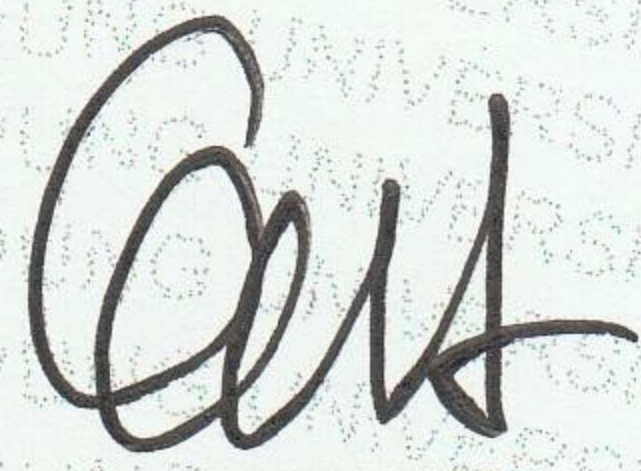


MENGESAHKAN

1. Tim Penguji

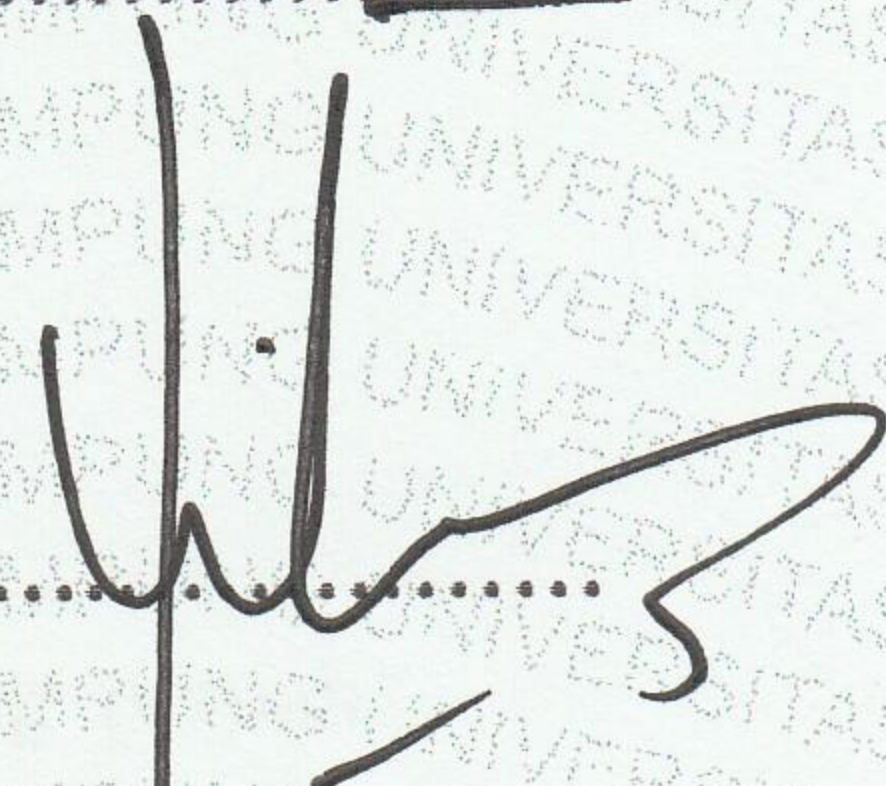
Ketua

: Gatot E. Susilo, S.T., M.Sc., Ph.D.



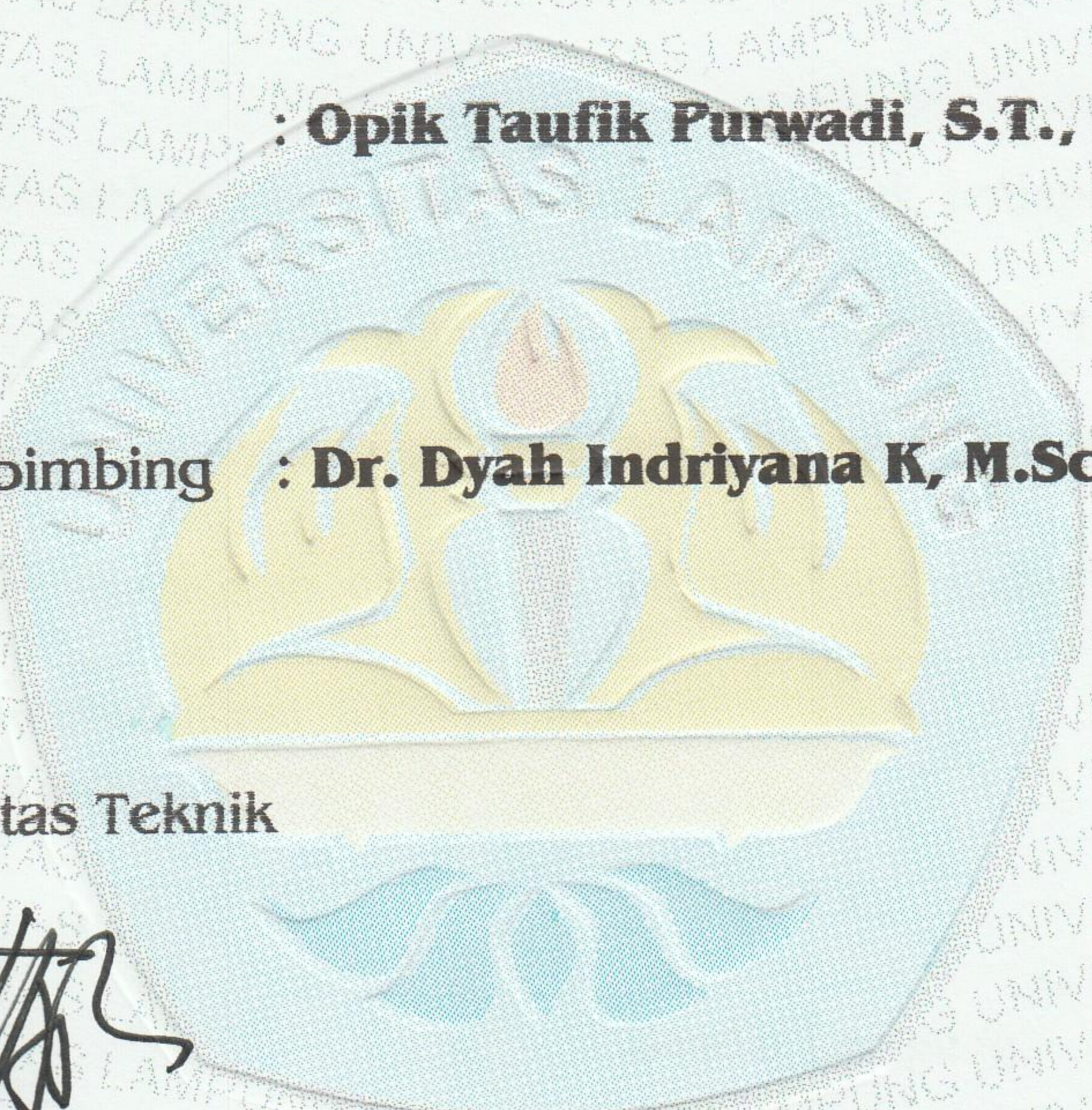
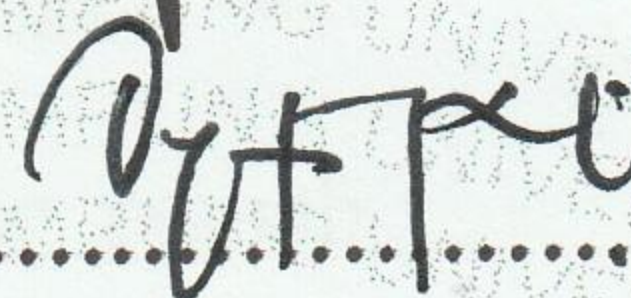
Sekretaris

: Opik Taufik Purwadi, S.T., M.T.



Penguji

Bukan Pembimbing : Dr. Dyah Indriyana K, M.Sc.



2. Dekan Fakultas Teknik

Prof. DR. Suharno, M.Sc.

NIP 196207171987031002



Tanggal Lulus Ujian Skripsi : 13 Oktober 2014