

**UNDERGRADUATE THESIS**

**SPEECH DENOISING FROM NOISY COMMUNICATION AUDIO USING  
IDEAL RATIO MASK (IRM) AND SPECTROGRAM-BASED FEATURE  
EXTRACTION**

Submitted in partial fulfillment of the requirements for the degree of  
Sarjana Ilmu Komputer



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**COMPUTER SCIENCE UNDERGRADUATE PROGRAM  
DEPARTMENT OF COMPUTER SCIENCE AND ELECTRONICS  
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**SKRIPSI (RISET AKADEMIK)**

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Pembimbing

Mengetahui,  
a.n. Dekan FMIPA UGM  
Wakil Dekan Bidang Keuangan, Aset,  
dan Sumber Daya Manusia



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