

**TEKNOLOGI *MACHINE LEARNING* PADA SISTEM PENDUKUNG  
PENELITIAN RSYS (*RESEARCH SUPPORT SYSTEM*)**

**TESIS**

diajukan untuk memenuhi sebagian syarat untuk memperoleh gelar  
Magister Pendidikan Teknologi dan Kejuruan



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# TEKNOLOGI MACHINE LEARNING PADA SISTEM PENDUKUNG PENELITIAN RSYS (RESEARCH SUPPORT SYSTEM)

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## ABSTRAK

Mahasiswa yang masih awam dalam merevisi berfokus pada tingkat lokal, yaitu tata bahasa, ejaan, tanda baca, dan tingkat kalimat. Sedangkan untuk mahasiswa yang sudah ahli berfokus pada tingkat *global*, yaitu berfokus pada penyempurnaan tujuan penulisan, ide, dan makna. Ketika melakukan revisi, mahasiswa menjadi terlalu fokus pada tingkat lokal daripada tingkat global. Komentar yang bersifat lokal tidak efektif untuk dijadikan sebagai pedoman dalam proses revisi. Maka dari itu, tujuan dari penelitian ini adalah untuk membangun perangkat lunak berbasis machine learning dengan metode ANN untuk mengklasifikasikan komentar global atau lokal. Penelitian ini menggunakan metodologi penelitian rancang bangun dengan model SDLC yang berupa *prototyping*. Hasil menunjukkan bahwa perangkat lunak RSYS berhasil dibangun dengan akurasi *machine learning* dalam mengklasifikasikan komentar yang berjumlah 19 komentar, diperoleh dari 2 dokumen, dengan rasio 95:0.5, yaitu sebesar 94.74%. Sedangkan pada pengujian *alpha* dinyatakan bahwa fungsionalitas sistem RSYS dan *machine learning* dinilai berfungsi dengan baik. Untuk pengujian *beta*, persentase terbesar yaitu 95% untuk kemudahan dalam pengoperasian dan kenyamanan dalam menggunakan aplikasi, 75% untuk tampilan website dan ketersediaan navigasi.

Kata Kunci: Revisi, *Machine Learning*, ANN

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