

Studi Pengaruh Suhu Terhadap Kecepatan Respon Mahasiswa di Ruang Kelas Dengan Metode Design of Experiment = Study The Effect of Temperature to University Students Respon Time in Classroom Using Design of Experiment Method

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Abstrak

Dewasa ini 67% mahasiswa merasa tidak nyaman berada di ruang kelas. Ini disebabkan karena suhu yang tidak nyaman di dalam ruang kelas. Penelitian ini membahas tentang suhu ruang kelas yang nyaman dan posisi air conditioner di dalam ruangan. Analisis dilakukan dengan menggunakan metode Design of Experiment dengan respon variabel berupa Choice Reaction Time. Hasil penelitian ini berupa batasan suhu ruang kelas yang nyaman antara 24°C - 26°C dan analisis penempatan air conditioner ruang kelas gedung S.Nowadays, 67% of University Students felt uncomfortable in the classroom. This is because of the temperature is not suitable with their body. This study discusses the range of comfortable temperature and the position of the air conditioner in the classroom. Analysis were using Design of Experiment with the response variable of Choice Reaction Time. The results of this study is the range of comfortable classroom temperature between 24°C - 26°C and the analysis of positioning air conditioner in the S building classrooms.