

BAB VI

KESIMPULAN DAN SARAN

VI.1. Kesimpulan

1. Data kualitatif dikumpulkan dengan menggunakan kuesioner yang kemudian dijadikan pertimbangan untuk membuat skenario kontrol
2. Kondisi pencahayaan buatan *existing* belum memenuhi standar SNI. Sehingga perlu diadakan optimalisasi dengan mengganti luminous flux lampu utama dari 350 lm menjadi 1521 lm serta menambah *luminaire* pada meja belajar dengan *luminous flux* 500 lm.
3. Sistem kontrol dapat dibuat menggunakan *pattern recognition* yang dimiliki oleh Backpropagation pada Jaringan Saraf Tiruan. Hasil yang didapat dari penelitian ini memiliki eror yang sangat kecil sehingga dapat digunakan pada ruang huni Asrama Kinanti UGM

VI.2. Saran

1. Data kualitatif dapat dibuat dengan mengambil lebih banyak responden
2. Melakukan analisis penghematan energi yang terjadi dengan adanya sistem kontrol
3. Studi kasus untuk kontrol tiap ruang itu unik, sehingga perlu dilakukan pemodelan ulang untuk kondisi gedung yang berbeda.

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