INTISARI

Lampu Berjalan dengan Tampilan Kipas berbasis mikrokontroler AT89S51 merupakan alat yang berfungsi utama sebagai hiasan. Alat ini terdiri dari kombinasi LED yang disusun seperti bentuk kipas.

Efek nyala lampu dihasilkan dari pembacaan tabel *look-up*. Hasil pembacaan tabel *look-up* dikirim ke *port* 2 dan *port* 3 mikrokontroler. Port 2 menampilkan efek nyala lampu mode horisontal dan port 3 menampilkan efek nyala lampu mode vertikal.

Hasil tugas akhir ini berupa Lampu Berjalan dengan Tampilan Kipas dengan nyala lampu sesuai rancangan tabel *look-up*. Mode dan tunda waktu-nya dapat diatur sesuai keiinginan, dengan merancang ulang tabel *look-up* dan memprogram ulang mikrokontroler.

ABSTRACT

Running LED with Wiper Display based on AT89S51 microcontroller was a device which had primary function as decoration. It consisted of LED combination that was arranged as folding fan.

Lamp glow effect was resulted from look-up table reading. The result of look-up table reading was sent to microcontroller port, they are port 2 and port 3. Port 2 show horisontal mode lamp glow effect and port 3 show vertical mode lamp glow effect.

The result of this final project was a running lamp which lamp glow was suitable with look-up table design. Mode and time delay could be arrange suitable with desire, with re-design look-up table and re-program microcontroller.