SISTEM PAKAR PENENTUAN SANKSI TILANG LALU LINTAS SEPEDA MOTOR MENGGUNAKAN METODE *FORWARD CHAINING*
(EXPERT SYSTEM FOR DETERMINING MOTORBIKE TRAFFIC TICKET SANCTION USING THE FORWARD CHAINING METHOD)

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ABSTRACT

In the discussion of this thesis, has done research on the Expert System for. Determining Motorbike Traffic Ticket Sanctions based on violations was done by thedriver. This research was done using the forward chaining method. The forwardchaining method was an advanced tracing method by tracing facts to produceconclusions. An expert system with a forward chaining method will provide an outputin the form of a law that was violated by the driver then recommends sanctions thatmust be received by the driver. The results showed that the expert system with theforward chaining method was suitable for determining motorcycle traffic ticketsanctions, which was done by the driver.

Keywords: Forward Chaining, Expert System, Violation of Ticket Sanctions.

ABSTRAK

Pada pembahasan skripsi penelitian ini telah dilakukan penelitian tentang Sistem Pakar Penentuan Sanksi Tilang lalu lintas Sepeda Motor berdasarkan pelanggaran-pelanggaran yang dilakukan oleh pengemudi. Penelitian ini dilakukan dengan metode *forward chaining*. Metode *forward chaining* merupakan metode perunutan maju dengan melakukan penelusuran fakta sehingga menghasilkan kesimpulan. Sistem pakar dengan metode *forward chaining* akan memberikan keluaran berupa undang-undang yang dilanggar oleh pengemudi kemudian merekomendasikan sanksi yang harus diterima oleh pengendara tersebut. Hasil penelitian menunjukkan bahwa sistem pakar dengan metode *forward chaining* cocok untuk menentukan sanksi tilang lalu lintas sepeda motor, yang dilakukan oleh pengendara.

Kata Kunci :*Forward Chaining*, Sistem Pakar, Pelanggaran Sanksi Tilang.