

E-Transaction Point Of Sales (Pos) With Fuzzy Tsukamoto Algorithm At Pt. Samihasa Kita

E-Transaction Point Of Sales (Pos) Dengan Algoritma Fuzzy Tsukamoto Di Pt. Samihasa kami

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PT. Samihasa Kita is a glass product distributor company that was founded in 1989, which is located in the city of Semarang, Central Java, with sales area coverage in Central Java, D.I Yogyakarta, Jakarta, and Kalimantan. So far, PT Samihasa Kita has an erratic amount of demand for goods, as a result, sometimes the number of goods produced for sale with the goods purchased by consumers is not balanced. This resulted in PT Samihasa Kita not getting the maximum profit. Based on this problem, Fuzzy Tsukamoto logic was chosen to determine the optimal daily production amount. By using fuzzy logic can be determined the relative size of the production of goods. The Fuzzy Tsukamoto method can also be used to forecast sales in the coming month based on the amount of inventory. Thus the amount of production and demand for goods PT. Samihasa Kita is predictable and balances transactions. This research aims to be able to predict demand and procurement of goods that will have an impact on optimizing revenue at PT. Samihasa Kita.

References

1. Ardeansyah, Trisna. 2020. "Aplikasi Point Of Sale Menggunakan Dynamic Software Development Method pada Agen Softdrink (Studi Kasus: Agen Sahri Jaya)". Jurnal University Of Technology Yogyakarta.
2. Harahap, Ryan Ramadhan. 2021. "Penerapan dan Perancangan Aplikasi Point Of Sale dengan Metode Waterfall di Optik Tazma". Jurnal Indonesia Mandiri.
3. Setiadji. 2009. Himpunan & Logika Samar serta Aplikasinya. Yogyakarta: Graha Ilmu.
4. Kusumadewi, Sri & Purnomo, Hari. 2004. Aplikasi Logika Fuzzy untuk Pendukung Keputusan. Graha ilmu: Yogyakarta.
5. Rifani, Ahmad. 2020. "Aplikasi Monitoring Point Of Sale (Pos) Berbasis Web & Sms Gateway pada Percetakan Kompas Banjarbaru". Jurnal Universitas Islam Kalimantan Mab.
6. Nengsi, Marwana Indri, dan Semlinda Juszandri Bulan. 2017. "Aplikasi Point Of Sale pada Toko Tupperware Kupang". Jurnal Teknologi Terpadu (Jtt) 3.1.
7. Pamungkas, Gilang, dan Herman Yuliansyah. 2017. "Rancang Bangun Aplikasi Android Pos (Point Of Sale) Kafe untuk Kasir Portable dan Bluetooth Printer". JST (Jurnal Sains dan Teknologi) 6.1.
8. Wulandari, Dewi Ayu Nur, dan Arfhan Prasetyo. 2018. "Sistem Penunjang Keputusan untuk Menentukan Status Gizi Balita Menggunakan Metode Fuzzy Tsukamoto". Jurnal Informatika 5.1: 22-33.
9. Kurniati, Neng Ika, R. Reza El Akbar, dan Panji Wijaksono. 2019. "Penerapan Metode Fuzzy Tsukamoto pada Sistem Pakar untuk Mendiagnosa Autisme pada Anak". Innovation In Research Of Informatics (Innovatics) 1.1.
10. Maryam, Siti, Efori Bu'Ulolo, dan Edizal Hatmi. 2021. "Penerapan Metode Fuzzy Mamdani dan Fuzzy Tsukamoto dalam Menentukan Harga Mobil Bekas". Journal Of Informatics, Electrical dan Electronics Engineering 1.1: 10-14.
11. Sipayung, Evasaria Magdalena, dan Cut Fiarni. 2020. "Evaluasi Penggunaan Aplikasi Point Of Sale Menggunakan Technology Acceptance Model pada Umkm". Jurnal Nasional Teknik Elektro dan Teknologi Informasi 9.1: 18-24.