

FOREWORD

Selamat datang di edisi terbaru dari Jurnal ROUTERS: Jurnal Sistem dan Teknologi Informasi. Edisi Vol. 2 No. 1, Februari 2024 ini menghadirkan tujuh artikel ilmiah yang membahas beragam aspek penting dalam bidang Computer Science, Computer Networks and Engineering, Software Engineering and Information Systems, serta Information Security. Kami dengan bangga mempersembahkan berbagai hasil penelitian dan kontribusi yang beragam dari para peneliti dan akademisi di seluruh dunia. Edisi kali ini menyuguhkan artikel-artikel yang sangat relevan dengan perkembangan teknologi informasi terkini. Mulai dari pengembangan sistem pemantauan proyek berbasis website, implementasi sistem informasi kesehatan berbasis web untuk balita di Posyandu The Eagle Bird, hingga pengujian otomatis sistem informasi penggandaan Indo Towing dengan menggunakan Katalon Studio. Artikel lainnya juga membahas aplikasi pembelajaran yang memanfaatkan teknologi Augmented Reality untuk memahami ritual haji, sistem informasi web untuk meningkatkan kolaborasi media di DISKOMINFO Bandar Lampung, dan implementasi desain UI/UX dalam aplikasi pembelajaran bagi UMKM dengan media video berbasis web di Siger Innovation Hub. Semua artikel dalam edisi ini merupakan hasil kerja keras para penulis yang berkomitmen untuk berbagi pengetahuan dan penemuan mereka dalam bidang yang sangat dinamis ini. Kami berharap bahwa pembaca dapat mendapatkan wawasan berharga dan inspirasi dari artikel-artikel ini, serta dapat mengaplikasikan temuan-temuan tersebut dalam penelitian dan praktik sehari-hari. Kami juga ingin mengucapkan terima kasih kepada para penulis, reviewer, dan seluruh tim editorial yang telah berkontribusi dalam mewujudkan edisi ini. Tanpa kerja keras mereka, Jurnal ROUTERS tidak akan mencapai kualitas dan standar yang dijunjung tinggi. Teruslah mengikuti perkembangan terbaru di dunia Sistem dan Teknologi Informasi melalui Jurnal ROUTERS, dan jangan ragu untuk berkontribusi atau mengirimkan artikel penelitian Anda untuk edisi mendatang. Semoga edisi Vol. 2 No. 1 ini memberikan manfaat yang besar bagi pembaca dan seluruh komunitas akademik. Selamat Membaca.

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Tantri Dwi Tyastuti, Nurhafifah Matondang

<https://doi.org/10.25181/rt.v2i1.3149>

Abstract

The 4.0 era of technology really supports companies to maximize work, one of which is in the form of project monitoring. The current condition of the ongoing project monitoring or monitoring process at PT Electronic Data Interchange Indonesia (EDII) still does not have its own system, so currently the project team at PT EDII in working on client project reporting still uses data storage via Google Drive and data processing. google sheet form, so that employees need more time in supervising project workers and reporting the progress of ongoing projects. The tool in question is in the form of a monitoring dashboard project or a project management information system specifically for PT EDII in monitoring and controlling projects in the form of website-based applications using the PHP programming language and the use of the MySQL database. This system aims for the monitoring team in working on ongoing projects in order to create good and structured work results in the appeal of company targets. In the analysis of system design using PIECES analysis and software development methods using the Waterfall method. The results of this study are the creation of a project monitoring system with features in the form of client data management, project work, and employee data management.

[Web-based Health Information System For Toddlers at Posyandu Burung Elang](#) 13-24

Muhammad Faishal Alim, Rudy Ho Purabaya

<https://doi.org/10.25181/rt.v2i1.xxxx>

Abstract

At this time with the rapid development of technology, it requires that someone can complete most of the work efficiently by using a computer as an information system and data processing with a fast process. Posyandu Burung Elang RT.002 / RW.02 Ciracas East Jakarta is one of the posyandu that still uses manual data processing through the Maternal and Child Health Reporting book (KIA) and the Towards Healthy Card (KMS) in managing data recording new child data, weighing data, immunization data, calculating the age and nutritional status of children, and reporting between posyandu cadres and the health department. To achieve ease in efficient data processing at Posyandu Burung Elang RT.002 / RW.02, in overcoming this, a website-based information system is needed using the Waterfall method as a design method and PIECES as a method of analyzing work system identification and with UML modeling, which is built using the Laravel framework and MySQL database. The results of this study produce a website-based information system that can manage data, calculate the age and nutritional status of children automatically, whether nutrition is included in the category, make it easier for parents to monitor child development as well as early registration for Posyandu activities and Posyandu cadres are facilitated in recording children and making reports on Posyandu Burung Elang RT.002 / RW.02 Ciracas.

[Implementation of Android-Based Product Ordering System \(Case Study: Pangestu Catering & Cafe\)](#) 25-34

Lidya Nurmala Eva, Murti Retnowo

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Abstract

Pangestu Catering & Caffe is a place that many people visit to have fun, hang out or do work. Ordering and transaction processes at Pangestu Catering & Caffe are always done manually. Diners come later and order the menu. The cashier will then record guest orders manually and then hand them over to the kitchen.

However, this becomes inefficient due to the accumulation of queues. To overcome this queue problem, a product ordering system is needed that can facilitate recording of transactions and can be integrated into the system. The author implements a product ordering system that customers use to order food menus and then submit the receipt to the cashier for payment. After payment, the order will be processed by the kitchen. The Android-based product ordering system uses the prototype development model and the Flutter dart language.

Title

25-34

Name 1, Name 2

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Abstract

abstract content