



MISI

JURNAL MANAJEMEN INFORMATIKA & SISTEM INFORMASI

Technology Architecture

The diagram illustrates a comprehensive data management system architecture, organized into several key components:

- INPUT:** Data originates from multiple sources, including "Sumber Data" (Data Sources) and "Pihak pemilik & pengelola Sistem" (System owners & managers). These feed into the "DATA PROCESSING" stage.
- DATA PROCESSING:** This stage involves "Checking data", "Keacakan format (standarisasi)" (Format randomization/standardization), and "Storage & maintaining data". It also includes a "Provider/Telco" for mobile data (SMS) and a user interface for "Informasi penyuluhan" (Education information), "Chat room petani" (Farmer chat room), and "Edukasi pengelolaan" (Management education).
- UNSTRUCTURED Data Sources:** A cloud icon representing various unstructured data inputs.
- STREAMING ANALYTICS & EVENT MANAGER:** Processes real-time data streams.
- HADOOP:** The core distributed storage and processing framework, represented by the elephant icon.
- SQL, OLTP, & LEGACY:** Structured data sources and legacy systems.
- ETL LAYER:** The Extract, Transform, and Load layer, which integrates data from various sources into the central repository.
- User:** End-users interacting with the system through a "User Interface".
- Asset Data Repository:** The central hub for storing and managing data assets.
- Business Intelligence And Reporting Tools:** A suite of tools for data analysis and reporting, including:
 - Discovery Tools
 - Procurement
 - Billing
 - HR Data
 - IMAC Tools
 - Ordering Tools
 - External Data
 - Financial
 - Help Desk
 - PM Tools
- Asset Management Reports:** The final output of the reporting tools.

The diagram also shows a network topology for data distribution, including "Warehouse / Distribution Center 1" and "Warehouse / Distribution Center 2", connected via "VPN / WPN" to a central "Internet" hub. Other departments like "Customer", "Manufacturing Department", "Sales Department", and "Purchasing Department" are also shown connected to the network.



Jln. Basuki Rahmat No.105 Praya, Lombok Tengah - NTB
e-journal.stmiklombok.ac.id/misi - Telp dan Fax (0370) 654310
email. lppm@stmiklombok.ac.id





DEWAN REDAKSI

Jurnal Manajemen Informatika dan Sistem Informasi (MISI)
Sekolah Tinggi Manajemen Informatika dan Komputer (STMIK) Lombok

Jurnal Manager

Lalu Mutawalli, S.Kom., M.I.Kom., M.Kom (STMIK Lombok,
SCOPUS ID : 57205057118, SINTA ID : 6659709)

Reviewer :

Resad Setyadi, S.T., S.Si., MMSI., Ph.D (cand) - Universitas Telkom
SCOPUS ID : 57204172534 , SINTA ID : 6732232

Yesaya Tommy Paulus, S.Kom., MT., Ph.D - STMIK Dipanegara Makassar
SCOPUS ID 57202829909, SINTA ID : 6002004

Saruni Dwiasnati, ST., MM., M.Kom - Universitas Mercu Buana
SCOPUS ID : 57210968603, SINTA ID : 6150854

Ida Bagus Ary Indra Iswara, S.Kom., M.Kom - STMIK STIKOM Indonesia
SCOPUS ID 57203711945, SINTA ID : 183498

Erlin Windia Ambarsari, ST., M.Kom - Universitas Indraprasta PGRI
SCOPUS ID : 56242503900, SINTA ID : 5998887

Wafiah Murniati, ST., MT - STMIK Lombok
SCOPUS ID : 57211275356, SINTA ID : 5998887

Fachrudin Pakaja, S.Kom, M.T - Universitas Gajayana
SCOPUS ID : 57226079228, SINTA ID : 6164357

Ir. Desyanti, S.Kom., M.Kom – Institut Teknologi dan Bisnis Riau Pesisir
SCOPUS ID : 58336093800, SINTA ID : 6096358

Ahmad Jufri, S.Kom., M.T - Sekolah Tinggi Teknologi STIKMA Internasional
SINTA ID : 172241

Mohammad Taufan Asri Zaen, ST., MT - STMIK Lombok
SINTA ID : 5992087

Hairul Fahmi, S.Kom., M.Kom - STMIK Lombok
SINTA ID : 5983160



I Ketut Putu Suniantara, S.Si., M.Si - ITB STIKOM Bali
SINTA ID : 6086221

Nawassyarif S. Kom., M.Pd - Universitas Teknologi Sumbawa
SINTA ID : 6722660

Muhamad Malik Mutoffar, ST., MM., CNSS - Sekolah Tinggi Teknologi Bandung
SINTA ID : 6013819

Muhammad Fauzi Zulkarnaen, ST.,M.Eng - STMIK Lombok
SINTA ID : 6663733

Mardi, S.Kom., M.Ak, STMIK Lombok
SINTA ID : 6794963

Editor :

I Wayan Agus Arimbawa, ST.,M.Eng - Universitas Mataram
SCOPUS ID : 57194217528, SINTA ID : 5973017

Muhamad Rodi, S.Kom., M.Kom - STMIK Lombok
SCOPUS ID : 60000512000, SINTA ID : 6903603

Khairul Imtihan, S.Kom.,M.Kom - STMIK Lombok
SCOPUS ID 57200985669, SINTA ID : 5983103

Maulana Ashari, S.Kom.,M.Kom - STMIK Lombok
SINTA ID : 6068867

Desain Grafis & Web Maintenance

Saikin, S.Kom.,M.Kom - STMIK Lombok, SINTA ID : 6741380



DAFTAR ISI

1	ANALISIS MALWARE DENGAN RUNTIME DAN DYNAMIC ANALYSIS UNTUK IDENTIFIKASI IOC	1-10
	Eky Januarta, Muhamad Azwar, Ondi Asroni, Husain, Lilik Widyawati	
2	PERANCANGAN SISTEM PAKAR BEASISWA DI SMKN 4 PAYAKUMBUH MENGGUNAKAN METODE FORWARD CHAINING	11-19
	Nelson Rahmad Ramli, Sarwo Derta, Darul Ilmi, Hari Antoni Musril	
3	IMPELEMENTASI ALGORITMA AES DAN RSA UNTUK KEAMANAN PADA APLIKASI WEB CHAT TEAM SYNC	20-28
	Bagas Hadista Mulyadi, Muhammad innuddin, Ondi Asroni, Muhamad Azwar, kurniadin Abdul Latif	
4	SISTEM INFORMASI MONITORING TINDAK LANJUT TEMUAN AUDIT DI POLITEKNIK NEGERI SRIWIJAYA	29-38
	Adi Sutrisman, RM Chairil Andri, Tiara Nurpratiwi3, Sulastriani, Kurnia Widya Oktarini	
5	IMPLEMENTASI ALGORITMA SVM PADA BOT WHATSAPP UNTUK DETEKSI PESAN SPAM	39-51
	Reza Bahtiar Saputra, Muhamad Azwar, Lilik Widyawati, Husain, kurniadin Abdul Latif	
6	PERANCANGAN INEFSAHCHAT PADA MATA PELAJARAN KOMPUTER DAN JARINGAN DASAR KELAS X DI SMKN 1 MATUR	52-63
	Indra Efendi Saputra Hasibuan, Hari Antoni Musril, Darul Ilmi, Sarwo Derta	
7	SISTEM PERINGATAN DINI UNTUK DETEKSI AKTIVITAS AI BERBAHAYA BERBASIS MACHINE LEARNING	64-72
	Akbar Ibrahim, Hendrikus Tue Rebong, Jason Adiputra, Fauzan Satria Pratama, Muhammad Ilyas, Yusnia Budiarti, Heriyanto, Fachri Amsury	
8	WEB-BASED GETINGE HS 66 STERILIZER MACHINE EXPERT SYSTEM USING BACKWARD CHAINING METHOD	73-82
	Budi Utomo, Eka Nuryanto Budisusila	
9	ANALISIS SENTIMEN KEPUASAN LAYANAN KANTOR DESA LINGGANG BIGUNG MENGGUNAKAN METODE LEXICON-BASED	83-94
	Christian Marentinus, Ita Arfyanti, Wahyuni	
10	KLASIFIKASI HARGA SMARTPHONE BERDASARKAN SPESIFIKASI TEKNIS MENGGUNAKAN ALGORITMA C4.5	95-103
	Zio Fahreliandro, Muhammad Nugi Sehpudin Saputra, Saiful Islam, Muhammad Sony Maulana	



- 11** TATA KELOLA SI AKADEMIK BERBASIS COBIT 2019 UNTUK PENINGKATAN KUALITAS INFORMASI DI SMK AL AMIN **104-115**
Amrullah, Baiq Yulia Fitriyani

- 12** ANALISIS DATA MINING DALAM PREDIKSI PEMILIHAN JURUSAN PADA SMA MANGGALA MENGGUNAKAN ALGORITMA C 4.5 **116-128**
Sugiyanti, Muhammad Fauzi Firdaus

- 13** PENERAPAN METODE DEPTH FIRST SEARCH (DFS) UNTUK SISTEM PAKAR DIAGNOSIS KERUSAKAN HANDPHONE BERBASIS ANDROID **129-139**
Asti Oktaviasni, Farida Idifitriani, Dinola, Fahri Hamdani, Herliana Rosika, Yuliadi

- 14** SEQUENTIAL DATA PREPROCESSING APPROACH FOR ENHANCED MATERNAL HEALTH RISK CLASSIFICATION PERFORMANCE **140-148**
Ridha Adjie Eryadi, Wildan Hanif Hafidudin

- 15** OPTIMASI RUTE DISTRIBUSI BARANG PADA INDUSTRI FMCG MENGGUNAKAN CLARKE-WRIGHT HEURISTIC **149-160**
Hadi Wijaya Halim, Noviayana