**BIODATA**

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|---|---|---|
| Name | : | Dwi Kristianto, S.T., M.Kom. |
| Phone | : | +62 822 4441 7271 |
| Email | : | steamboatid@gmail.com |
| Home Address | : | Jalan Rungkut Asri Utara XII no. 21 Surabaya 60293 |
| Online profile | : | **https://bit.ly/m/dwikris** |
| | | https://github.com/steamboatid |
| | | https://www.codegrepper.com/profile/steamboatid |
| | | https://www.linkedin.com/in/dwikristianto/ |
| | | https://its.academia.edu/dwikristianto |
| | | https://scholar.google.com/citations?hl=en&user=A1yO44QAAAAJ |
| | | https://www.researchgate.net/profile/Dwi-Kristianto |

**RECENT SEO PROJECTS**

2024 : https://pibitek.biz
Heavily modified Wordpress CMS to meet the security requirements by WPSCAN, a well known software to test wordpress vulnerability. The articles are also written and developed using special LLM AI using Google Gemini API and g4f.

2024 : https://eshal.id
A branding website for brand new skin care products, using modified Wordpress with several in-house plugins to boost its SEO power.

2023 : https://indopdf.com
Open Journal Repository focusing on Indonesian academic journals, with main features i.e. auto summarization, bibliography parser (DOI finder) and online PDF file viewer.

2023 : https://lokalaja.com
Simple and mobile friendly News Aggregator focusing on local news. Youtube embed videos are also included. Updated daily to always fetch new content from news websites.

2023 : https://benpromo.com
Event list portal with intelligent parser to group events based on event date, paid/free event, urls parser, keywords and several other information.

2023 : https://pluspdf.com
Online PDF directory equipped with auto summarization, online reader and direct download to PDF file.

Dec 2022 : https://bebagi.com
Online library for SMK especially for Final Assignment (Tugas Akhir) and Internship Report. The demo can be found at https://elib.phibiseo.com/

## OPEN SOURCE PROJECTS

2022      :    https://github.com/Snapchat/KeyDB/pull/354

| | | |
|---|---|---|
| Project | : | KeyDB |
| Description | : | Introducing a new feature and configuration field to have a set consisting only of integer numbers. Previously the set may consist of string, numbers, etc. |
| Language | : | C++ |

2022      :    https://github.com/rectorphp/rector-src/pull/2691

| | | |
|---|---|---|
| Project | : | rectorphp |
| Description | : | Add a feature to skip converting short array to long array format. |
| Language | : | PHP |

2022      :    https://github.com/apt-mirror/apt-mirror/pull/150

| | | |
|---|---|---|
| Project | : | apt-mirror |
| Description | : | Combining all existing PRs and solving some issues in the apt-mirror repo. |
| Language | : | Perl |

2021      :    https://github.com/phpredis/phpredis/pull/2003

| | | |
|---|---|---|
| Project | : | phpredis |
| Description | : | Add a new way to add to the redis/keydb server with integer number encoding. Previously, numbers were treated as string. |
| Language | : | C++ |

2021      :    https://github.com/twitter/twemproxy/pull/650

| | | |
|---|---|---|
| Project | : | twemproxy |
| Description | : | Add support to OBJECT command |
| Language | : | C/C++ |

2021      :    https://github.com/sebastianbergmann/phpunit/pull/4820

| | | |
|---|---|---|
| Project | : | phpunit |
| Description | : | Divide all tests into smaller chunks which can be executed in parallel. |
| Language | : | PHP |

## EDUCATION

Magister (S2) : Informatics Engineering Department, Faculty of Information Technology, Institut Teknologi Sepuluh Nopember Surabaya (2016 – 2017)

Thesis : *Prediction of Wave-induced Liquefaction Using Artificial Neural Network and Wide Genetic Algorithm*

Graduate (S1) : Offshore Department, Faculty of Marine Technology, Institut Teknologi Sepuluh Nopember Surabaya (1992-2000)

Final Assignment : *Offshore structure Reliability Analysis using Beta-Unzipping Method*

## WORK EXPERIENCE

2013 – 2022 : AISITS Senior System Developer and Research Associate at Laboratorium Keandalan dan Keselamatan

2012 – 2013 : IT Vice Manager at LensaIndonesia.com

2007 – 2012 : SEO Consultant dan Website Designer

2005 – 2007 : IT Manager at IALF Bali

2001 – 2005 : Web Programmer and Lecturer at Universitas Kristen Petra Surabaya

## TRAININGS

2004 : One Day Seminar by PT Microsoft Indonesia

1999 : One Day Seminar by PT Oracle Indonesia

## SEO PROJECTS

2022 : https://omd.id
Cryptocurrencies and technology news portal. SEO-based online media with heavily modified Wordpress.

2020 : https://embeumkm.com
Church UMKM website. Optimize for online presence, ie.: Google Maps and Whatsapp contact info.

https://gkjw.org
Church unofficial website.

https://feeds.gkjw.org
More than 200 Youtube channels aggregator similar to alltop.com

| 2018 | : | https://its.ac.id |
|------|---|-------|

Academic SEO Project which builds 5 websites (www, cdn, io, library, media) and 4 web-based applications (e-library, url shortener, file storage, feed aggregator). The project scope is infrastructure, server hardwares and softwares. For more details, please visit http://bit.ly/acadrank

2015 : https://aisits.id

Real time underwater pipeline monitoring system utilized AIS ship data, transmitted via VHF radio.

2013 : https://yoKeepo.com

SEO proof of concept for media websites

2012 : https://lensaindonesia.com

National media website, for only 7 months, the UV is improved from 12 K/day to 25 K/day

2008 : http://galeridonita.com

Bed cover, bed sheet & accessories website. Direct purchase from Korea and USA.

2007 : Ngadutrafik SEO competition

2005 : http://dewey.petra.ac.id

iSpektra, online library system, Petra Christian University


## IT SKILLS

Coding : PHP 8.1, C++, Java, Perl, Javascript, CSS, HTML5

OS : Linux Debian

Database : MariaDB (Multi Master Replication), MySQL


## ACADEMIC PROJECTS

2017 : Design of Traffic Separation Schemes in Sunda Strait and Lombok Strait

2016 : Pre-Feasibility Study of LNG Distribution to Power plant in West Papua and Papua, BP Bureau Indonesia

Risk Assessment of PHE WMO subsea pipeline due to Dredging, Construction and Operation of PT Petrokimia Gresik EPCC Jetty

Design of Traffic Separation Schemes in Bintuni Bay Area

2015 : Feasibility Study of LNG Bunkering for Ship Transportation in Indonesia, PT Perusahaan Gas Negara (Persero)

LNG Shipping Studies: Optimization of LNG Shipping on Tangguh LNG Plant, BP Bureau Indonesia

Nearshore Gas Pipeline Risk Assessment of Lengo Field – Bulu Block, Krisenergy Indonesia


## RESEARCHERS GRANTS

2017            : a) Program Pengembangan Teknologi Industri (PPTI), Kementerian Ristekdikti, "Pengujian Prototipe AISITS untuk Inspeksi dan Tracking Kapal sebagai Pendukung Keselamatan Pelayaran"

b) Program bantuan fasilitas kerjasama internasional skema pengembangan konsorsium PTN, Institut Teknologi Sepuluh Nopember, "Rintisan PUI Keselamatan Kapal dan Instalasi Laut"

c) Inovasi Program Pembuatan Prototipe Skala Industri, Institut Teknologi Sepuluh Nopember, "Pengujian Prototipe AISITS untuk Inspeksi dan Tracking Kapal untuk Meningkatkan Keselamatan Pelayaran di Indonesia"

d) Inovasi Program Pembuatan Prototipe Skala Industri, Institut Teknologi Sepuluh Nopember, "AISITS untuk Inspeksi dan Tracking Kapal sebagai Pendukung Keselamatan Pelayaran Nasional"

2016            : Calon Perusahaan Pemula Berbasis Teknologi (CPPBT), Kementerian Ristekdikti, "AISITS - Sistem Monitoring Keselamatan Instalasi Dan Bangunan Di Laut Berbasis Automatic Identification System (AIS)"

2015            : Penelitian Unggulan Perguruan Tinggi (PUPT), Kementerian Ristekdikti, "Pengembangan Prototipe Fasilitas Monitoring Keselamatan Kapal Berbasis Data Automatic Identification System (AIS)"


## ACADEMIC PUBLICATIONS

2017            : Kristianto, Dwi, et al. *"Prediction of Wave-induced Liquefaction using Artificial Neural Network and Wide Genetic Algorithm."* Lontar Komputer: Jurnal Ilmiah Teknologi Informasi: 1-10. DOI: https://doi.org/10.24843/LKJITI.2017.v08.i01.p01

2016            : Artana K.B., Pitana T., Dinariyana D.P., Ariana M., Kristianto D., Pratiwi E. *"Real Time Monitoring of Subsea Gas Pipelines, Offshore Platforms, and Ship Inspection Scores using an Automatic Identification System"* Journal Marine Science Applications (to be published)

For more publications, please visit https://scholar.google.com/citations?hl=en&user=A1yO44QAAAAJ