

DAFTAR PUSTAKA

- [1] Admin, “Mobil tanpa Sopir Mengubah Masa Depan Industri Otomotif,” Gaikindo. Accessed: Jan. 15, 2024. [Online]. Available: <https://www.gaikindo.or.id/mobil-tanpa-sopir-mengubah-masa-depan-industri-otomotif/>
- [2] Tesla, “Autopilot and Full Self-Driving Capability,” Tesla. Accessed: Jul. 17, 2024. [Online]. Available: <https://www.te>

sla.com/support/autopilot

- [3] Itszah, “Peran Mahasiswa sebagai Agen Perubahan di Era Digital,” ITS News. Accessed: Jul. 17, 2024. [Online]. Available: <https://www.its.ac.id/news/2023/07/03/peran-mahasiswa-sebagai-agen-perubahan-di-era-digital/>
- [4] A. Gabelly Fadila Pradana, “Perancangan Sistem Menggunakan Raspberry Pi Dengan Web GUI Untuk Mengontrol Tirai.”
- [5] F. Budi Setiawan, M. Hendra

Dewantara, L.
Heru Pratomo,
S. Riyadi, and
P.

Korespondensi
, “Analisis
Performa
Mekanik

Autonomous
Car Dengan
Metode Region
of Interest
Menggunakan
Raspberry Pi 4
dan Arduino
Nano,”

TEKNIK, vol.
43, no. 3, pp.
254–263, 2022,
doi:
10.14710/tekni
k.v43i3.47582.

- [6] Department of
Economic and
Social Affairs,
“Global
Sustainable
Development
Report
(2023),”
United
Nations.

Accessed:
Nov. 01, 2023.
[Online].
Available:
<https://sdgs.un.org/goals>

- [7] “SAE J3016 Levels Of Driving Automation,” SAE International. Accessed: Jan. 15, 2024. [Online]. Available: <https://www.sae.org/blog/sae-j3016-update>
- [8] H. Xu, Y. Gao, F. Yu, and T. Darrell, “End-to-end Learning of Driving Models from Large-scale Video Datasets,” Dec. 2016, [Online]. Available: <http://arxiv.org>

/abs/1612.0107

9

- [9] A. Zaenudin,
“Pengukuran
Waktu Super
Akurat Adalah
Kunci
Ketepatan
Navigasi
GPS ,” tirta.id.
Accessed: Dec.
15, 2023.
[Online].
Available:
[https://tirta.id/
pengukuran-
waktu-super-
akurat-adalah-
kunci-
ketepatan-
navigasi-gps-
g194](https://tirta.id/pengukuran-waktu-super-akurat-adalah-kunci-ketepatan-navigasi-gps-g194)
- [10] M. J. Choi, Y.
H. Kim, E. J.
Kim, and J. W.
Song,
“Enhancement
of Heading
Accuracy for
GPS/INS by
Employing
Average

Velocity in
Low Dynamic
Situations,”

IEEE Access,
vol. 8, pp.
43826–43837,
2020, doi:
10.1109/ACCE
SS.2020.29776
75.

- [11] A. Irvan,
“Rancang
Bangun Tripod
Kamera
Otomatis
Pengikut Objek
Menggunakan
Sensor
Ultrasonik,”
vol. 12, no. 4,
pp. 690–696,
2023, doi:
10.25077/jfu.1
2.4.690-
696.2023.

- [12] J. Wang, H.
Huang, K. Li,
and J. Li,
“Towards the
Unified
Principles for
Level 5

Autonomous
Vehicles,”
Engineering,
vol. 7, no. 9,
pp. 1313–1325,
Sep. 2021, doi:
10.1016/j.eng.
2020.10.018.

[13] W. Morales-
Alvarez, O.
Sipele, R.
Léberon, H. H.
Tadjine, and C.
Olaverri-
Monreal,
“Automated
driving: A
literature
review of the
take over
request in
conditional
automation,”
Dec. 01, 2020,
MDPI AG. doi:
10.3390/electr
onics9122087.

[14] “Road
vehicles—
Ergonomic
Aspects of in-
Vehicle

Presentation
for Transport
Information
and Control
Systems,”
ISO/TR
16352:2005.
Accessed: Dec.
15, 2023.
[Online].
Available:
<https://www.iso.org/standard/>

[15] IEEE Industrial
Electronics
Society, IEEE
Hungary
Section, and
Institute of
Electrical and
Electronics
Engineers,
*Assessment
and
standardization
of
autonomous
vehicles.*

[16] “Taxonomy
and Definitions
for Terms
Related to

Driving
Automation
Systems for
On-Road
Motor
Vehicles,”
SAE
International.

Accessed: Dec.
15, 2023.
[Online].

Available:

https://www.sae.org/standards/content/j3016_201806/

- [17]H. Lisa, S. Chairhany, M. Napratilora, A. Syahid, and M. Ilyas, “Analisis brand equity terhadap keputusan pembelian (studi kasus coffee toffee Surabaya),” *Journal of Business and Banking*, vol. 10, no. 1, p. 1,

Oct. 2020, doi:
10.14414/jbb.v
10i1.1862.

[18]N. N. A.
Rahman and N.
M. Yahya, “A
mathematical
model of a
brushed DC
motor system,”
*Data Analytics
and Applied
Mathematics
(DAAM)*, vol.
2, no. 2, pp.
60–68, Dec.
2021, doi:
10.15282/daam
.v2i2.6830.

[19]“Keras
Application,”
Keras.
Accessed: Jul.
17, 2024.
[Online].
Available:
[https://keras.io/
api/application
s/](https://keras.io/api/application/s/)

[20]Ultralytics,
“yolov5.”
Accessed: Jul.

18, 2024.

[Online].

Available:

<https://github.com/ultralytics/yolov5>

[21] S. Ren, K. He,

R. Girshick,

and J. Sun,

“Faster R-

CNN: Towards

Real-Time

Object

Detection with

Region

Proposal

Networks,”

Jun. 2015,

[Online].

Available:

<http://arxiv.org/abs/1506.01497>

[22] Logitech,

“Logitech HD

Webcam C270

Technical

Specifications.

” Accessed:

Jul. 28, 2024.

[Online].

Available:

<https://support.logi.com/hc/en-us/articles/360023462093-Logitech-HD-Webcam-C270-Technical-Specifications>

[23] A4TECH,
“PK-920H 1080p Full-HD WebCam.”
Accessed: Jul. 28, 2024.
[Online].
Available:
<http://a4tech.com/product.aspx?id=37>

[24] Farnell,
“WideCam F100.”
[Online].
Available:
www.tcpdf.org

[25] Editorial
Team,
“Understanding GNSS

Sensitivity,”
everything RF.
Accessed: Dec.
15, 2023.
[Online].
Available:
[https://www.ev
erythingrf.com
/community/un
derstanding-
gnss-
sensitivity](https://www.everythingrf.com/community/understanding-gnss-sensitivity)

- [26] M. J. Choi, Y.
H. Kim, E. J.
Kim, and J. W.
Song,
“Enhancement
of Heading
Accuracy for
GPS/INS by
Employing
Average
Velocity in
Low Dynamic
Situations,”
IEEE Access,
vol. 8, pp.
43826–43837,
2020, doi:
10.1109/ACCE
SS.2020.29776
75.

- [27] M. Abiraihan, R. Marta, Syukhri, and H. K. Saputra, “Perancangan Aplikasi Desktop Monitoring Kapal dan Penyimpanan Data AIS dengan RTL-SDR dan Raspberry Pi Menggunakan Python dan PyQt,” *Journal of Hypermedia & Technology-Enhanced Learning (J-HyTEL)*, vol. 2, no. 2, pp. 93–111, Feb. 2024, doi: 10.58536/j-hytel.v2i2.118.
- [28] Autors, “Train an Autopilot with Keras,” DonkeyCar. Accessed: Jul.

18, 2024.

[Online].

Available:

https://docs.donkeycar.com/guide/deep_learning/train_autopilot/

[29]J. Redmon, S.

Divvala, R.

Girshick, and

A. Farhadi,

“You Only

Look Once:

Unified, Real-

Time Object

Detection,”

Jun. 2015,

[Online].

Available:

<http://arxiv.org/abs/1506.02640>

[30]Roboflow,

“Roboflow

Docs.”

Accessed: Jul.

18, 2024.

[Online].

Available:

<https://docs.roboflow.com>

- [31]J. Terven, D. M. Cordova-Esparza, A. Ramirez-Pedraza, and E. A. Chavez-Urbiola, "Loss Functions and Metrics in Deep Learning," Jul. 2023, [Online]. Available: <http://arxiv.org/abs/2307.02694>
- [32]Y. Salim, T. Susila, D. Pono, and B. Mardjoko, "Sistem Pemantauan Posisi Mobil Dengan Menggunakan Global Position System (GPS) Melalui Radio Transceiver."
- [33]A. Nugroho, R. Jumardi, N. F. Ramadhania,

S. Tinggi, and
T. Bontang,
“Penerapan
Metode
Haversine
Formula Untuk
Penentuan
Titik
Kumpul pada
Aplikasi
Tanggap
Bencana,” vol.
2, p. 2020.

[34] P. A.
Zandbergen
and S. J.
Barbeau,
“Positional
Accuracy of
Assisted GPS
Data from
High-
Sensitivity
GPS-enabled
Mobile
Phones,”
*Journal of
Navigation*,
vol. 64, no. 3,
pp. 381–399,
Jul. 2011, doi:
10.1017/S0373

463311000051

[35] Y. Y. dkk
Hartanto M
Budi,
“Pemanfaatan
Leaflet Js
Dalam
Implementasi
Sistem
Informasi
Geografis
(SIG) Untuk
Optimalisasi
Pengelolaan
Objek Pajak
Bumi dan
Bangunan di
Dispenda
Lampung
Tengah”.

[36] “Datashet
Raspberry Pi 4
Model B,”
2024. [Online].
Available:
<https://www.raspberrypi.org>

[37] J. Sistem, D.
Ayu, and B.
Utami,
“Perancangan

Sistem Login
Pada Aplikasi
Berbasis GUI
Menggunakan
QTDesigner
Python,” 2021.

- [38] V. Bhatt and A. Bindal,
“Journal of
Advances in
Shell
Programming
Study of Smart
Device based
on Client-
Server
Communication on Linux
using Socket
Programming
in ‘C,’” *JoASP*,
pp. 11–15,
2020, [Online].
Available:
www.stmjournals.com

- [39] S. Nilnoree, A.
Taparugssanagorn, K.
Kaemarungsi,
and T.
Mizutani,

“Enhancing
Wireless
Sensor
Network in
Structural
Health
Monitoring
through
TCP/IP Socket
Programming-
Based Mimic
Broadcasting:
Experimental
Validation,”
*Applied
Sciences*
(Switzerland),
vol. 14, no. 8,
Apr. 2024, doi:
10.3390/app14
083494.