

DAFTAR RIWAYAT HIDUP

A. Biodata Mahasiswa

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Tempat & Tanggal Lahir : Sukabumi, 02 Maret 1988
Jenis Kelamin : Laki - laki
Alamat : Jl. Tamansari 3 Gg. Nangka No. 17 Kota Bogor.

B. Riwayat Pendidikan Formal dan Non-Formal

1. SDN Kedung Waringin 01 – Bogor, lulus tahun 2000
2. SMPN 01 Bojonggede – Bogor, lulus tahun 2003
3. SMKN 01 Bogor – Bogor, lulus tahun 2006
4. D3 AMIK Bina Sarana Informatika – Bogor, lulus tahun 2011
5. S1 Nusa Mandiri Jatiwaringin - Jakarta, lulus tahun 201

C. Riwayat Pengalaman Organisasi / Pekerjaan

1. Asisten Lab di AMIK BSI BOGOR tahun 2008 – 2010.
2. HRGA & Finance di PT. DHL EXCEL SUPPLY CHAIN INDONESIA tahun 2011-2012.
3. Frontliner di PT. BANK MUAMALAT INDONESIA tahun 2012-2017.
4. Staff IT HRD di PT. MALEA ENERGY tahun 2017-2020.
5. Supervisor Programmer di PT. SINAR RODA UTAMA tahun 2020-2023.
6. Backend Engineer di PT. PRIMATEK INFOKOM JAYA tahun 2023-sekarang.
7. CTO PT. INER CORP INDONESIA Tahun 2023-sekarang

Jakarta, 31 Juli 2025



Ilham Maulana

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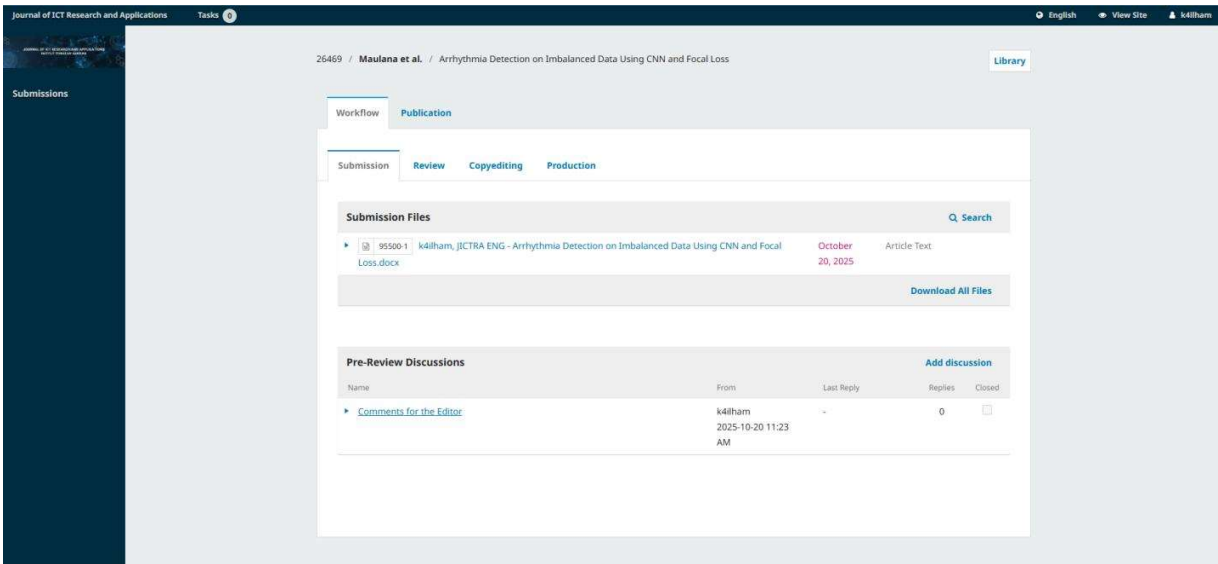
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- 5 Publication
Kishor Kumar Reddy C., Advaita Daduvy, Vijaya Sindhoori Kaza, Moham
- 6 Publication
Amar Bahadur Biswakarma, Jagdeep Rahul, KURMENDRA KURMENDRA. "

RSITAS
MANDIRI

Lampiran 3. Bukti Submit Artikel Ilmiah



Lampiran 4. Sample Dataset 100_signal.csv

	A	B	C	D
1	sample	time_sec	MLII	V5
2	0	0	-0.145	-0.065
3	1	0.00277777	-0.145	-0.065
4	2	0.00555555	-0.145	-0.065
5	3	0.00833333	-0.145	-0.065
6	4	0.01111111	-0.145	-0.065
7	5	0.01388888	-0.145	-0.065
8	6	0.01666666	-0.145	-0.065
9	7	0.01944444	-0.145	-0.065
10	8	0.02222222	-0.12	-0.08
11	9	0.025	-0.135	-0.08
12	10	0.02777777	-0.145	-0.085

	A	B	C	D
649991	649989	1805.525	0.645	0.64
649992	649990	1805.52777	0.825	0.565
649993	649991	1805.53055	0.92	0.33
649994	649992	1805.53333	0.895	-0.03
649995	649993	1805.53611	0.72	-0.37
649996	649994	1805.53888	0.375	-0.51
649997	649995	1805.54166	-0.075	-0.48
649998	649996	1805.54444	-0.445	-0.41
649999	649997	1805.54722	-0.675	-0.365
650000	649998	1805.55	-0.765	-0.335
650001	649999	1805.55277	-1.28	0

Lampiran 5. Sample Dataset 100_ann.csv

	A	B	C
1	sample	time_sec	symbol
2	18	0.05	+
3	77	0.2138888888888888	N
4	370	1.027777777777777	N
5	662	1.8388888888888888	N
6	946	2.627777777777778	N
7	1231	3.4194444444444443	N
8	1515	4.208333333333333	N
9	1809	5.025	N
10	2044	5.677777777777778	A
11	2402	6.672222222222225	N
12	2705	7.516666666666667	N

	A	B	C
2265	647414	1798.3722222222223	N
2266	647672	1799.0888888888889	N
2267	647934	1799.8166666666666	N
2268	648203	1800.5638888888889	N
2269	648477	1801.325	N
2270	648733	1802.0361111111111	N
2271	648978	1802.7166666666667	N
2272	649232	1803.4222222222222	N
2273	649484	1804.1222222222223	N
2274	649734	1804.8166666666666	N
2275	649991	1805.5305555555556	N

Lampiran 6. Kode Program yang digunakan

```
# =====
# Streaming semua record MIT-BIH (pn_dir) -> CSV
# =====
!pip -q install wfdb

import os, numpy as np, pandas as pd, wfdb

# Colab Drive (opsional)
try:
    from google.colab import drive
    drive.mount('/content/drive', force_remount=False)
except Exception:
    pass

# UBAH KE LOKASI DATASET
OUT_DIR = '/content/drive/My Drive/tesis/experiment/datase3/'

os.makedirs(OUT_DIR, exist_ok=True)

# Ambil daftar seluruh record dari RECORDS di PhysioNet
# get_record_list akan membaca file RECORDS milik 'mitdb'
try:
    record_list = wfdb.get_record_list('mitdb')
except Exception as e:
    # fallback ke versi eksplisit direktori
    from wfdb.io import get_record_list
    record_list = get_record_list('mitdb')
print("Total records:", len(record_list))

# Opsional: tampilkan sebagian
print("Sample records:", record_list[:10])
```

```

# Ekspor semua record
for r in record_list:
    try:
        rec = wfdb.rdrecord(r, pn_dir='mitdb/1.0.0')
        ann = wfdb.rdann(r, 'atr', pn_dir='mitdb/1.0.0')
        fs = rec.fs
        sig = rec.p_signal
        leads = rec.sig_name
        n = sig.shape[0]

        # Sinyal -> CSV
        df_sig = pd.DataFrame(sig, columns=leads)
        df_sig.insert(0, 'time_sec', np.arange(n)/fs)
        df_sig.insert(0, 'sample', np.arange(n))
        df_sig.to_csv(os.path.join(OUT_DIR, f'{r}_signal.csv'),
index=False)

        # Anotasi -> CSV
        df_ann = pd.DataFrame({'sample': ann.sample, 'time_sec':
ann.sample/fs, 'symbol': ann.symbol})
        df_ann.to_csv(os.path.join(OUT_DIR, f'{r}_ann.csv'),
index=False)

        print("OK", r)
    except Exception as e:
        print("FAIL", r, e)

print("Done: all records exported.")

```

```

# =====

```

```

# Setup & Import

```

```

# =====
import os, glob, shutil, time
import numpy as np, pandas as pd
from scipy import signal as sp_sig

# ----- Utils: (Re)mount & Local Copy -----
def remount_gdrive(mount_pt='/content/drive', wait_sec=2):
    try:
        from google.colab import drive
    except Exception:
        return False
    # Try clean unmount first (ignore errors)
    try:
        # brute-force unmount FUSE
        os.system('fusermount -u ' + mount_pt)
    except Exception:
        pass
    time.sleep(wait_sec)
    try:
        drive.mount(mount_pt, force_remount=True)
        return True
    except Exception:
        return False # caller can retry
# [web:39][web:33]

def path_exists_safe(p):
    try:
        return os.path.exists(p)
    except OSError:
        return False # occurs when FUSE broken
# [web:33]

def copy_to_local(src_dir, dst_dir='/content/data'):
    if os.path.exists(dst_dir):

```