DAFTAR PUSTAKA

[1] M. R. Royan, M. H. Solim, and M. B. Santanumurti, "Ammonia-eliminating potential of Gracilaria sp. and zeolite: A preliminary study of the efficient ammonia eliminator in aquatic environment," *IOP Conf. Ser. Earth Environ. Sci.*, vol. 236, no. 1, 2019, doi: 10.1088/1755-1315/236/1/012002.

[2] F. Dwirani, "Pencemaran Gas Ammonia dan Dampaknya Terhadap Pekerja dan Masyarakat Sekitar," pp. 1–186, 2004, [Online]. Available: https://ejournal.itn.ac.id/index.php/jati/article/view/2301

[3] B. Renaldi, S. Adi Wibowo, and K. Auliasari, "Rancang Bangun Robot Sar Sebagai Pendeteksi Gas Beracun Pra Evakuasi," *JATI (Jurnal Mhs. Tek. Inform.*, vol. 4, no. 1, pp. 247–255, 2020, doi: 10.36040/jati.v4i1.2301.

[4] L. A. Y. Merbawani, M. Rivai, and H. Pirngadi, "Sistem Monitoring Profil Kedalaman Tingkat Kelembapan Tanah Berbasis IoT dan LoRa," *J. Tek. ITS*, vol. 10, no. 2, 2021, doi: 10.12962/j23373539.v10i2.68613.

[5] Handayani, "Evaluasi Stabilitas Pembacaan Sensor Pada Penyiapan Sistem …," vol. 1, 2021, [Online]. Available: https://publikasiilmiah.unwahas.ac.id/index.php/PROSIDING_SNST_FT/article/view/5006

[6] I. R. J. Sari *et al.*, "WET SCRUBBER PERFORMANCE OPTIMIZATION APPLICATION ASSISTED WITH ELECTROCHEMICAL-BASED AMMONIA SENSORS," *J. Ris. Teknol. Pencegah. Pencemaran Ind.*, vol. 10, no. 2, pp. 36–42, Dec. 2019, doi: 10.21771/jrtppi.2019.v10.no2.p36-42.

[7] T. I. Kusuma, "DETEKSI GAS CO DAN NOx BERBASIS ARDUINO SEBAGAI INFORMASI KUALITAS UDARA DI WILAYAH SEMARANG," 2019.

[8] Nasution Hamonangan Tigor; and Harahap Adlin Lukman, "Predict the Percentage Error of LM35 Temperature Sensor Readings using Simple Linear Regression Analysis," *IEEE*, [Online]. Available: https://ieeexplore.ieee.org/document/9230472

[9] Y. Alif Kurnia Utama, "Penggunaan Neuro Fuzzy Pada Sistem Monitoring Ketinggian Air Sungai," *J. Inform. Kaputama(JIK)*, vol. 5, no. 1, 2021, [Online]. Available:

https://jurnal.kaputama.ac.id/index.php/JIK/article/view/434

[10] F. R. Saputra and M. Rivai, "Autonomous Surface Vehicle sebagai Alat Pemantau Lingkungan dengan Metode Waypoint," vol. 7, no. 1, pp. 76–81, 2018, [Online]. Available: https://ejurnal.its.ac.id/index.php/teknik/article/view/28493/4973

[11] R. Pi and F. Budiman, "Monitoring and Control System for Ammonia and pH Levels for Fish Cultivation Implemented on," pp. 68–73, 2019.

[12] C. M. Debacker, "GAS-MONITORING APPARATUS FOR DETECTING BOWEL MOVEMENTS AND METHOD OF USE," vol. 2, no. 12, 2017, [Online]. Available: https://patents.google.com/patent/US20150212034A1/en

[13] SGX SENSORTECH, "The MiCS-5524 is a compact MOS sensor," pp. 1–5, 2017, [Online]. Available: https://cdn-shop.adafruit.com/product-files/3199/MiCS-5524.pdf

[14] K. M. Techindo, "Smart Sensor AR8500 Ammonia Gas Detector." https://karyamandiritechindo.com/product/smart-sensor-ar8500-gas-detector/

[15] Najamudin, "Kalibrasi dan Penggunaan Alat Ukur," *Kalibr. dan Pengguna. Alat Ukur*, pp. 1–10, 2015, [Online]. Available: https://www.academia.edu/12150973/KALIBRASI_DAN_PENGGUNAAN_ALAT_UKUR_Oleh_Ir_Najamudin_MT_Dosen_Universitas_Bandar_Lampung

[16] F. Djuandi, *Pengenalan Arduino√ Oleh : Feri Djuandi*. 2011. [Online]. Available: https://www.academia.edu/download/51861163/Arduino-Pengenalan.pdf

[17] Muliadi, A. Imran, and M. Rasul, "Pengembangan Tempat Sampah Pintar Menggunakan Esp32," *J. Media Elektr.*, vol. 17, no. 2, pp. 2721–9100, 2020, [Online]. Available: https://ojs.unm.ac.id/mediaelektrik/article/viewFile/14193/8347

[18] Texas Instruments, "Ultra-Small, Low-Power, 16-Bit Analog-to-Digital Converter with Internal Reference," *Datasheet*, 2009, [Online]. Available: http://www.ti.com/lit/ds/symlink/ads1115.pdf

[19] R. Hamdani, I. H. Puspita, and B. D. R. W. Wildan, “Pembuatan Sistem Pengamanan Kendaraan Bermotor Berbasis Radio Frequency Identification (Rfid),” *Indept*, vol. 8, no. 2, pp. 56–63, 2019, [Online]. Available: https://jurnal.unnur.ac.id/index.php/indept/article/download/290/278

```
   r += terms[i] * t;
   t *= x;
  }
  return r;
}

double regressadc2(double x) {
double terms[] = {
     2.2689372713339981e+000,
    -4.6169985818285922e-002,
     2.6768615973277746e-004,
    -2.0598305461005008e-007,
     4.8636134173908026e-011
};

  size_t csz = sizeof terms / sizeof *terms;

  double t = 1;
  double r = 0;
  for (int i = 0; i < csz;i++) {
   r += terms[i] * t;
   t *= x;
  }
  return r;
}

double regressadc3(double x) {
  double terms[] = {
     1.4620394962903980e+000,
    -3.8846471519702122e-002,
     2.4788774659148153e-004,
    -1.8876284021120926e-007,
```

```
    4.3890550855767112e-011
};

 size_t csz = sizeof terms / sizeof *terms;

 double t = 1;
 double r = 0;
 for (int i = 0; i < csz;i++) {
  r += terms[i] * t;
  t *= x;
 }
 return r;
}

double regressadc3(double x) {
      1.5300926730267275e+000,
   -3.9491783802917513e-002,
    2.4969637444612264e-004,
   -1.9041979384330105e-007,
    4.4353353385530373e-011
};

 size_t csz = sizeof terms / sizeof *terms;

 double t = 1;
 double r = 0;
 for (int i = 0; i < csz;i++) {
  r += terms[i] * t;
  t *= x;
 }
 return r;
}
```