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LAMPIRAN

Lampiran 1

Lembar pertanyaan kuisisioner

LEMBAR ANGKET PENILAIAN DEMOGRAFI DAN PERFORMA GURU

A. Identitas Pengisi Angket

Nama :

Kelas :

Umur :

B. Petunjuk Pengisian Angket

1. Isilah identitas terlebih dahulu
2. Baca dan perhatikan pertanyaan secara seksama
3. Lingkari atau silang jawaban pada setiap pertanyaan.

C. Tujuan Penelitian

1. Mengetahui penerapan machine learning dalam memprediksi performa dari siswa
2. Mengetahui penerapan machine learning dalam mengklasifikasi performa dari siswa

D. Butir Pertanyaan

Data Demografi Siswa

1. Berapa uang saku yang kamu bawa setiap hari?
 - a. < 15.000
 - b. 15.000 – 25.000
 - c. > 25.000
2. Berapa pendapatan perbulan yang diperoleh keluargamu?
 - a. < 2.000.000
 - b. 2.000.000 – 4.000.000

- c. > 4.000.000
- 3. Apakah semua kebutuhan sekolah yang kamu perlukan (seperti seragam, buku, sepatu) sudah terpenuhi?
 - a. Tidak Terpenuhi
 - b. Cukup Terpenuhi
 - c. Terpenuhi
- 4. Bagaimana kondisi hubungan kedua orang tuamu?
 - a. Keduanya telah Meninggal
 - b. Berpisah / meninggal salah satu
 - c. Keduanya masih hidup
- 5. Apakah kamu sering menghabiskan waktu di rumah bersama keluargamu ketika akhir pekan?
 - a. Jarang
 - b. Cukup sering
 - c. Sering
- 6. Apakah orang tuamu sering menghabiskan waktu bersamamu?
 - a. Jarang
 - b. Cukup sering
 - c. Sering
- 7. Apa jenjang pendidikan terakhir ayahmu?
 - a. SD – SMP
 - b. SMA
 - c. Pendidikan Tinggi
- 8. Apa jenjang pendidikan terakhir ibumu?
 - a. SD – SMP
 - b. SMA
 - c. Pendidikan Tinggi
- 9. Apakah kamu memiliki teman dekat di sekolah?
 - a. Iya
 - b. Tidak

10. Bagaimana hubungamu dengan teman yang ada di sekolah?
- Tidak Dekat
 - Kurang Dekat
 - Dekat

Data Penilaian Performa Guru

- Apakah kamu dapat mengikuti pembelajaran yang disampaikan oleh guru?
 - Iya
 - Tidak
- Ketika mengajar apakah guru menggunakan bahasa yang jelas dan mudah dipahami?
 - Iya
 - Tidak
- Ketika memberikan penjelasan, apakah suara guru terdengar jelas?
 - Iya
 - Tidak
- Apakah guru memberikan tugas dan latihan rutin?
 - Iya
 - Tidak
- Ketika mengumpulkan tugas, apakah guru memberikan apresiasi padamu?
 - Iya
 - Tidak
- Ketika terjadi kegaduhan di kelas, apakah guru bisa mengendalikan kelas?
 - Iya
 - Tidak
- Ketika kamu mengerjakan soal di papan tulis, apakah guru memberikan semangat, motivasi atau pujian padamu?

- a. Iya
- b. Tidak

Surat Izin Penelitian



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Nomor : B-2174/In.36/D2/PP.07.01.05/04/2024 Kediri, 18 April 2024
Lamp. : -
Perihal : **Permohonan Izin Riset / Penelitian**

Kepada
Kepala SMAN 1 Kediri
di Tempat

Assalamualaikum Wr. Wb.

Dengan hormat kami beritahukan bahwa mahasiswa tersebut di bawah ini :

Nama : MUHAMAD WAHYUDIN NURAMANU
NIM : 20204074
Semester : 8
Prodi : TADRIS MATEMATIKA

Dalam rangka menyelesaikan studi dan menyusun skripsinya yang perlu melakukan penelitian lapangan. Untuk itu kami memohon agar mahasiswa yang bersangkutan diberi izin dan kesempatan untuk melakukan penelitian di wilayah / lembaga yang menjadi wewenang Bapak / Ibu, dalam bidang-bidang yang terkait dengan judul skripsinya, yaitu :

"Implementasi Long Short Term Memory dan Extreme Gradient Boost Dalam Performa Siswa"

Mahasiswa yang melaksanakan riset/penelitian akan berkewajiban mentaati semua peraturan yang berlaku di lembaga/instansi tempat penelitiannya.
Demikian atas perkenan dan kerjasama Bapak/Ibu. kami sampaikan terimakasih.

Wassalamualaikum Wr. Wb.

a.n. Dekan Fakultas Tarbiyah,
Kepala Bagian Tata Usaha



MARHASAN, MM.
NIP. 196706012000031001

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Lampiran 3

Foto kegiatan









Lampiran 4

Link model Extreme Gradient Boost

<https://colab.research.google.com/drive/1vDyGRpmQ1QHnSQ1HTmAw-P6AoD9GtunR?usp=sharing>

Link model LSTM

<https://colab.research.google.com/drive/1XQc3zSfz3-0l6s7mkHuVwBPbcHTKaOgC?usp=sharing>

Lampiran 5

Riwayat Hidup



Penulis bernama lengkap Muhamad Wahyudin Nuramanu yang lahir pada tanggal 4 Desember 2001. Penulis berasal dari Desa Semambung Kecamatan Kayen Kidul Kabupaten Kediri. Penulis merupakan anak kedua dari tiga bersaudara dari pasangan suami istri Bapak NurWakit dan Ibu Yulianti Amanu. Penulis telah menempuh beberapa jenjang pendidikan di SMPN 1 Plemahan, SMAN 1 Gurah, dan mulai tahun 2020 mengikuti Program Sarjana Strata Satu (S1) Program Studi Tadris Matematika di Institut Agama Islam Negeri (IAIN) Kediri sampai sekarang. Sampai dengan penulisan skripsi ini penulis masih terdaftar sebagai mahasiswa S1 Program Studi Tadris Matematika di IAIN Kediri.