

SURAT KETERANGAN
PUBLIKASI NASKAH DI LUAR UNIVERSITAS AMIKOM YOGYAKARTA

Yang bertanda tangan dibawah ini :

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Menerangkan bahwa :

Nama : Tsamara Hanifa Arfan
NIM : 18.11.2101
Kelas : 18 Informatika 05

Bahwa mahasiswa tersebut telah mensubmit *research paper* dengan judul ***Classification of Brain Tumor Types Based on MRI Images Using MobileNet*** pada *2nd Internasional Conference on Innovative Creative Information Technology 2021 (ICITECH)*, pada tanggal 24 Juli 2021 untuk selanjutnya dapat menjadi syarat bebas Pustaka dari *resource center* Universitas AMIKOM Yogyakarta. Demikian surat keterangan ini dibuat dengan sebenarnya untuk dipergunakan sebagaimana mestinya.

Yogyakarta, 03 Agustus 2021



Mardhiya Hayaty, S.T, M.Kom

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Title		Classification of Brain Tumours Types Based on MRI Images Using MobileNet																																								
Abstract		MRI can detect soft tissue that contains a brain tumour. Imaging produced by MRI in brain tumours can not be analyzed easily if done manually. Results in a longer time required. Deep learning is part of artificial intelligence that can analyze data automatically. MobileNet is one of the methods in deep learning that functions to perform the segmentation process of medical images. Mobile Network is a CNN model with high accuracy and less computation. Therefore, this study proposes the use of Mobile Network architecture to classify brain tumour types. Mobile Network there are various categories. This study finds evidence that the application of Mobile networks improves overall accuracy. The best result from the Mobile Network category was MobileNet V2 140 x 224, which achieved an accuracy test of 94%.																																								
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