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Nabilah A.R.N.ª, Azami S.K.ª, Dafhalla A.K.Y. <sup>b</sup> , Adibah M.R.H.ª, Naimah Y. <sup>c</sup>							cartilage: Work in progress Hashim, R. , Sha'ban, M. ,			
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<sup>a</sup> Department of Electrical and Comp Malaysia, Malaysia			_	-				ncephalography (EEG)		
<sup>b</sup> Department of Computer Engineering, College of Computer Science and Engineering, University of ha'll, Saudi Arabia							application on quantifying emotional intelligence during meditation			
<sup>c</sup> Advanced Computing, Centre of Ex	cellence (CoE), U	niversiti Malay	sia Perlis (l	JniMAP), Perlis, I	Malaysia			J.S. , Amin, M.K.M. ,		
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Anxiety and depression have become to suicidal tendencies. Studies relate showed that slow music could be one to have potentials to detect brainwav communication. All the signals utiliz various physiological activities dor EEG recorder. Based on the experime result in different dominant brainw For the second physiological activit dominant compared to alpha, beta, t As for the benchmarking, all the thre most ascendant. In addition, this stu change a person state of brain to be of brainwave on brain relaxation ir	d to depression a e of the methods e signal as in real ed in this paper a be by the voluntee entation result, it ave signal. For sit y which is listen heta, and gamma e physiological dy is a better alte e more relax and	nd stress with to reduce stree l time data as we are obtained fro- ers. The feature can be observenting at rest, shing and recitin a and for walki activities were rnative to the calming. Thus,	the nervou ss. Electroe well as histo om few exp es of EEG s ed that dif nows alpha g the zikr, s ng in the p e compared current app the resear	s system had bee encephalogram (E ory data through eriments done, v ignal then will be ferent physiolog wave dominant c shows delta wave ark showed presi I to know which to proaches since it ch will propose a	en conducted and EEG) signal is fou Bluetooth wireles which contains of e extracted using gical activities w compared to othe is the most ding in beta wave orainwave is the proves that zikr w study of the effe	ł nd ss rill rs. e. rill				

Author keywords

Alpha wave; Brain Relaxation; Brainwave; Delta wave; Electroencephalogram (EEG); Physiological Activities

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## Electroencephalography Engineering uncontrolled terms Alpha waves; Bluetooth wireless communication; Delta waves; EEG recorders; Electroencephalogram signals; History data; Physiological activity; Real-time data Engineering main heading Brain (i) Topic name Emotion Recognition; Electroencephalography; Brain Computer Interface Prominence percentile 98.927 () Funding sponsor Funding number Acronym Department of Electric and Computer Engineering International Islamic University Malaysia IIUM See opportunities by IIUM 🛛 Funding text The authors would like to thank all the volunteers who contributed to the experiment conducted. The authors also would like to thank the Department of Electric and Computer Engineering, International Islamic University Malaysia for the support in this research work. References (15) View in search results format > Save to PDF Create bibliography Export 🖶 Print 🖾 E-mail $\square$ 1 Fu-Chien, Kao, Yun Kai, Lin (2014) International Symposium on Computer Brainwave Analysis on Relaxation Emotion 987-1-4799 308-310 Consumer and Control IEEE 2 WHO Website last accessed 2019/11/28 https://www.who.int/news-room/detail/mental-disorders 3 Nanda Prajna, P, Ramesh, K (2017) 2017 International Conference on Information Technology Analysis of Meditation and Attention Level of Human Brain, pp. 46-49. IEEE ICIT.2017 □ 4 Abdurrochman, A, Wulandari, RD, Fatimah, N (2017) Regional Symposium on Biophysics and Medical Physics (Bogor Indonesia,) The Comparison of Classical Msic, Relaxation music and AlQuran recital 5 Helman, A.A., Amin, M.K.M Muzahirul Islam AKM and Mikami O Neuroimaging EEG Application on

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