

JORER : International Journal of Recent Educational Research Homepage : <u>https://journal.ia-education.com/index.php/ijorer</u> Email : <u>ijorer@ia-education.com</u>

Application of Learning Technology in Domino Card Games on a large scale and individually to the responses of senior high school students

Mohammad Furqon HN1, Madlazim², Zainul Arifin Imam Supardi³ ^{1,2,3} Universitas Negeri Surabaya, Surabaya, Indonesia

Check for updates OPEN CACCESS	DOI : https://doi.org/10.46245/ijorer.v4i1.273
Sections Info	ABSTRACT
Article history:	Learning by applying game technology in learning media will attract students
Submitted: November 28, 2022	attention. This study uses a domino physics game with quantities and units as
Final Revised: January 6, 2023	materials. Each card will be printed with a barcode containing information
Accepted: January 16, 2023	regarding the principal amount, unit, symbol, and dimensions. The process of
Published: January 31, 2023	making physics domino card media uses the ADDIE development model. The
Keywords:	trial was conducted on 133 class X students at one of the SHS in the
Addie development model	Pamekasan and Surabaya Regencies. The results of the validation of the
Barcode	physics domino cards in the media aspect denined a very valid average
Learning Technologies	category value, and the material aspects got a very valid average category
Physics dominoes	value. The results of the average percentage of responses of Al Amien
	Pamekasan senior high school students after using the domino physics med
記念演員	with indicators of ease of obtaining, interest, and usefulness obtained scores in
17721978	the very good category. The results of the average percentage of responses
Sector Se	from Pamekasan 4 senior high school students after using the domino physics
E 27 67 4	media with indicators of ease of 8 ptaining, interest, and usefulness obtained
	scores in the very good category. The average percentage of senior high school
	9 Surabaya responses after using the domino physics media with indicators of
	ease of obtaining, interest, and usefulness 6 ceived scores in the very good
	category. Domino physics learning media can make it easier for students to
	understand the material in quantities and units and instill a strong will to
	learn physics.

TRODUCTION

Tearning media is a tool in learning so that education runs effectively and efficiently. Learning media can selp students understand the material and increase students' interest and attention in the teaching and learning process. Currently, many learning media are being developed, but not a few teachers, when learning in class, do not use learning media (Putera et al., 2022). Based on the observations in several schools, it was found that most physics teachers had not used instructional media supported by technological developments, and few teachers still used conventional teaching aids to implement learning. Physics learning still seemed monotonous to students, so students needed to be more enthusiastic and motivated to study in school. In learning physics, learning media is needed so that students can understand physics material very clearly (Ulfida & Pahlevi, 2021).

Many media can be used by teachers or educators, one of which is media in the form of games. Game media should be able to increase learning activities to be active, not boring, increase understanding of the material, and foster interest in learning. This is in line with research (Fauziddin & Fikriya, 2020) that card games can foster enthusiasm for learning so that learning activities become more effective, students look more active, and teachers can create effective learning activities using the card game media. Through learning media, students build а learning atmosphere that can is

7273_Furqon_79-90.doc			
ORIGINALITY REPORT			
16%11%9%3%SIMILARITY INDEXINTERNET SOURCESPUBLICATIONSSTUDENT	PAPERS		
PRIMARY SOURCES			
Submitted to Universitas Negeri Surabaya The State University of Surabaya Student Paper			
2 lib.unnes.ac.id Internet Source			
3 journal.ia-education.com Internet Source	1%		
Isna Wardiah, Rahimi Fitri, Reza Fauzan, Saberan, Fuad Sholihin. "Android-based Matrix Learning Media to Increase Student Interest in Learning", 2022 Seventh International Conference on Informatics and Computing (ICIC), 2022 Publication			
5 journal.ipm2kpe.or.id	1%		
6 ejournal.undiksha.ac.id	1%		
7 Nely Tonapa, Fransisca Ditawati Nur Pamenang. "The development of discovery	1%		