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Prompt.



Exploring the Boundaries of Al in Education



Group 7

Exploring the Boundaries of AI in Education: A Study of the Learning Process, Benefits, and Challenges from Student's Perspective

















Introduction

Higher education in the vocational field is closely related to the use and development of technology. With the development of Artificial Intelligence or Al technology today, it can provide new benefits or problems in higher education in the vocational field, especially in Indonesia. Student perceptions related to the application of Al are important because they represent or represent the end users of higher education services in the vocational field. This study aims to find out the extent of the use of Al in the learning process, its benefits and challenges from a student perspective.













Methods

This study uses a descriptive quantitative research method. Quantitative research is a method based on the philosophy of positivism, used in researching research samples and populations. Quantitative research is research that presents data in the form of numbers as a result of the research.

Data collection techniques:

 The data collection technique we used was purposive sampling to determine the case study, namely FPTK students, but to determine the respondents we used snowball sampling

Population:

- UPI Vocational College Students (FPTK)
- 2020-2023 Class Year

Intervention:

- Feeling towards Al
- Al as a Sources
- Perspectives about potential impact of Al
- The advantages of Al
- The drawback of Al



Results & Discussions

This study is not fully completed yet although the study is still formed like a plan we really can't give you the proper results of this study, what really affected by it its Time and The Amount of samples that we've got.

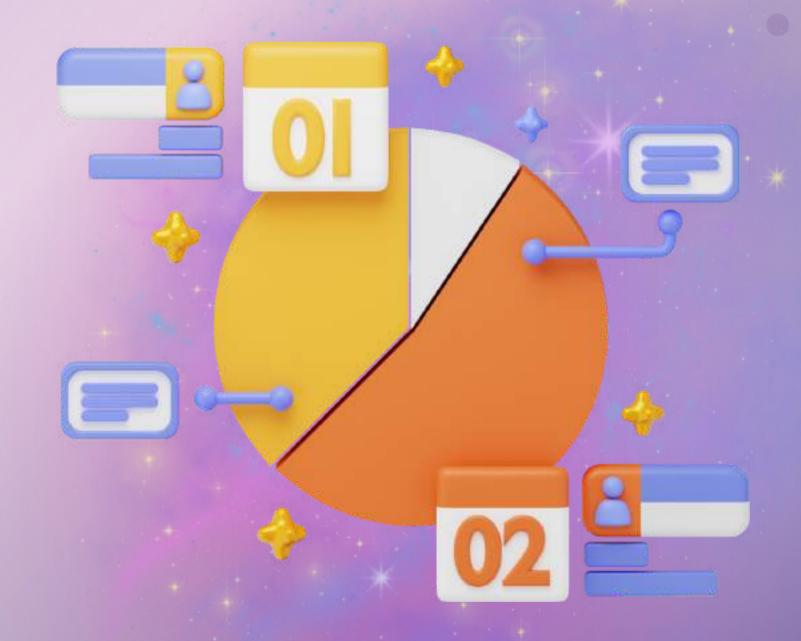
- Conclude the Samples
- Calculate the Samples





















The research was carried out in June 2024 at the Faculty of Technology and Vocational Education, Universitas Pendidikan Indonesia. The data sources in the study are primary data and secondary data. Primary data was taken from a in the form of structured questionnaire questions that had been disseminated through a google form link with integrated direction by the researcher as many as 15 questions. The respondents were selected using the purposive sampling technique, namely FPTK UPI students who had an understanding of the topic being researched with a total of 21 respondents.





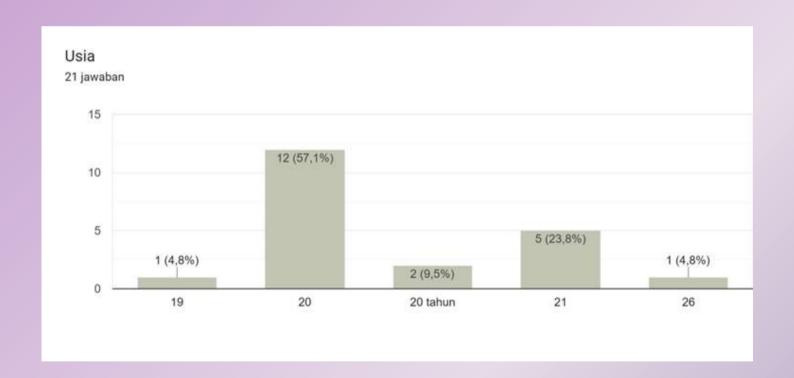


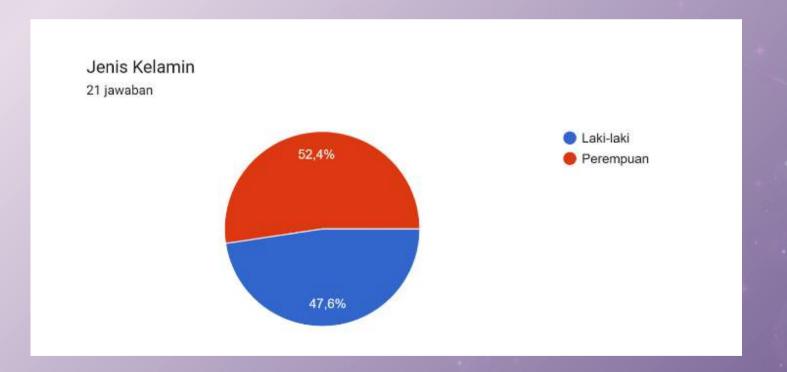






For the provisional results of the respondents that have been obtained, there are 21 total respondents. The age range of respondents aged 19 years was (4.8%), 20 years (66.6%), 21 years (23.8%), and 26 years (4.8%).





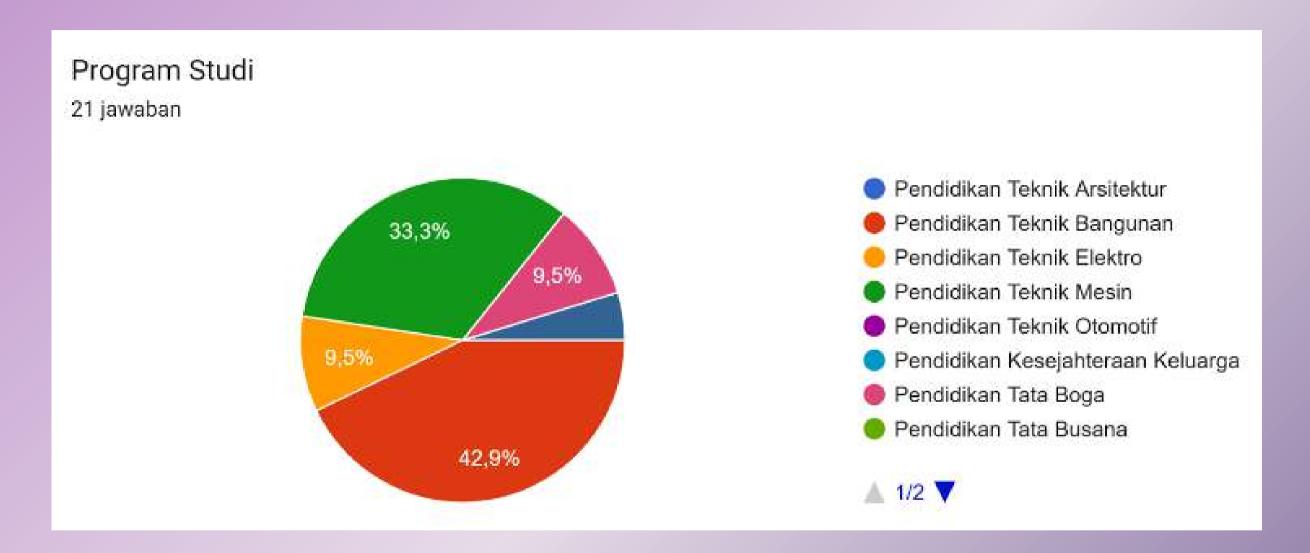












The study programs of respondents from 8 study programs at FPTK only 5 study programs filled out this questionnaire. The total respondents from the construction engineering education study program were 42.9%, electrical engineering education 9.5%, mechanical engineering education 33.3%, culinary education 9.5%, and architecture education 4.8%.











Uji Validitas (menguji apakah pertanyaan valid atau benar)

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	Dig. (2-tailed)	844	409	.094	.251	128	347	014	933	.046	,035	.004	100		946	262	,001
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Butti Son 14	Paerson Correlation	- 059	- 170	- 313	- 137	- 236	- 112	- 239	1094	- 292	- 102	- 176	- 202	016	1	- 162	- 119
	Sig. (2-tailed)	.799	.461	.167	.866	,306	629	298	716	252	.661	449	.381	.940		.482	.607
	4	21	21	21	21	21		21	21	21	.21	21	21	21	21	21	21
Bulli Soei 16	Peerson Consistion	-028	.156	219	.063	,429	352	.408	.507	.113	.119	.146	.414	.268	- 162	- 1	.379
	Sig (Z-twied)	872	489	340	787	052	_107	.067	544	926	609	.531	052	262	482		.091
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Total	Peerson Correlation	.565	594"	.522	537			.672"	421	608*	.647*	859"	.784**	.676*	- 519	.379	
	Sig. (2-tailed)	.008	.009	.018	.012	.006	.008	.001	.067	,003	.002	.001	000	.001	607	.091	
	N	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21

". Correlation is significant at the 0.05 level (2-tailed).

Data was obtained from a questionnaire with a likert scale of 1-5. From the validity test that has been carried out using the significance value (p-value) where if

N.Sig < 0.05 was declared Valid and N.Sig > 0.05 was declared Invalid, so it was found that out of 15 questions there were 3 invalid questions and the rest were valid



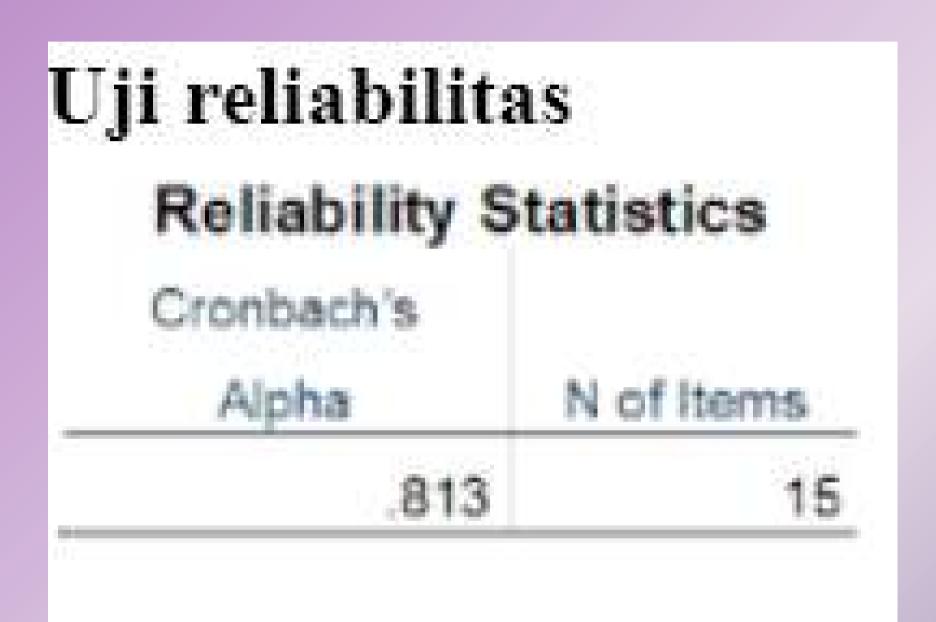
Correlation is eignificant at the 0.01 level (2-tailed)











For the reliability test carried out, Cronbach's alpha value was obtained which was 0.813 which was said to be reliable because it exceeded 0.70











Analisis data des	kriptif									
Descriptive Statistics										
	N	Minimum	Maximum	Mean	Std. Deviation					
Total	21	18	40	30.71	6.404					
Valid N (listwise)	21									

From the analysis of the descriptive data, the minimum score of the total number of questions was 18, the maximum score was 40, the average score was 30.71, and the value of the standard deviation was 6.404











Conclusion

The provisional conclusion of the research that has been carried out on June 2024 at the Faculty of Technology and Vocational Education, University of Education Indonesia. The data sources in this study are primary data and secondary data. Primary data was taken from a questionnaire in the form of structured questions that had been disseminated through a google form link with integrated direction by the researcher as many as 15 questions. Respondents were selected using the purposive sampling technique, namely FPTK UPI students who have an understanding of the topic being researched with a total of 21 respondents. Over time, research data can change at any time.



Refrences

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Note

The paper that we've build right now is not in completed form it still formed as an plan.

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