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students' learning styles. Based on the results of the trials carried out, there were differences in the average learning outcomes between students who were given adaptive hypermedia learning content and had better learning outcomes compared to the learning outcomes of students who used non-adaptive e-learning [40]. What this research hopes to achieve is that students are able to improve their learning abilities by utilizing the ease of content presented by the AEHS so as to obtain better learning outcomes. The AEHS developed is able to detect and recommend content or learning materials that suit the learning styles of engineering students. In this system students can learn more from one course. This system, which has been integrated with artificial intelligence, can be easily used by students and lecturers because it is designed to be user friendly.

4. CONCLUSION

In improving student learning outcomes, it is necessary to use a learning media that is in accordance with the learning character or learning style of informatics engineering students, such as the use of adaptive educational hypermedia system developed in this study is used to solve problems in the learning process. The use of learning media that can be accessed both through laptops and smartphones is needed by students today. Ratings from learning media experts (100%), instructional design experts (91.67%), learning instrument experts (95.24%), and learning outcome measurement experts (92.31) gave very good ratings for the development of AEHS media in this research. Increasing the value of informatics engineering students' learning outcomes in the small group test obtained a gain score of 0.735, or included in the high category.

Based on the results of the t test with the help of SPSS 22, it was obtained a significance level test using two sides ($\alpha=5\%$), where the risk of making a wrong decision to reject the true hypothesis was 0.05. Independent t test obtains t count of 3.87, the results of a comparison between t count and t table ($df=98$) and probability it can be concluded that the value of t count > t table ($3.87 > 1.98477$) and $P_{value} < Sig$ ($0.000 < 0.05$) The results of the comparison state that there are differences in the average learning outcomes in AEHS with the average learning outcomes in web-based learning, the average learning outcomes achieved with AEHS are greater than using web-based learning strategies ($78.9692 > 72.1176$). It can be concluded that the use of learning style-based AEHS learning media is more effectively used to improve student learning outcomes of STIKOM Uyelindo Kupang informatics engineering compared to the use of learning strategies with web-based learning.

ACKNOWLEDGEMENTS

This study was supported by the Ministry of Education, Culture, Research, and Technology of the Republic of Indonesia, Beasiswa Pendidikan Indonesia (BPI) and LPDP Indonesia.

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ACSM Health/Fitness Instructor Exam Sample Questions (Q23-Q28):

NEW QUESTION # 23

Which of the following criteria would NOT classify a client as having "increased risk"?

- A. Signs and/or symptoms of cardiopulmonary disease.
- B. Signs and/or symptoms of metabolic disease.
- C. Two or more major risk factors for CAD.
- **D. Male older than 40 years with a history of clinical depression.**

Answer: D

NEW QUESTION # 24

The preparation of professional staff should include training in

- **A. CPR and basic life support.**
- B. Advanced cardiac life support and ENT.
- C. Advanced basic life support and ENT.
- D. CPR and EMS.

Answer: A

NEW QUESTION # 25

A patient who exhibits tachycardia, diaphoresis, light-headedness, and visual disturbances may be experiencing

- A. Congestive heart failure.
- B. Hyperglycemia.
- C. Hypotension.
- **D. Hypoglycemia.**

Answer: D

NEW QUESTION # 26

Which of the following statements about underwater weighing is TRUE?

- A. It can divide the body into visceral and subcutaneous fat components.
- B. It can divide the body into bone, muscle, and fat components.
- C. It is a direct method of assessing body composition.
- **D. It assumes standard densities for bone, muscle, and fat.**

Answer: D

NEW QUESTION # 27

A client's health screening should be administered before

- A. Fitness assessment or programming.
- B. The initial "walk-through" showing of a facility.
- C. Any contact with the client.
- **D. Any physical activity by the client at your facility.**

Answer: D

NEW QUESTION # 28

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