

QUESTIONNAIRES ON:

USING WHATAPPS TO ENHANCE STUDENTS LEARNING OF MANUFACTURING SUSTAINABILITY

The use of WhatsApp application in Class activities of Manufacturing Sustainability to Enhance Students' Learning

UNIVERSITI TEKNIKAL MALAYSIA MELAKA

FAKULTI KEJURUTERAAN PEMBUATAN

COURSE CODE : BMFG 4233
COURSE NAME : MANUFACTURING SUSTAINABILITY
MATRIX NO :
MALE/FEMALE :
SECTION :
GROUP :

ARAHAN : Nyatakan tahap persetujuan anda terhadap pernyataan yang diberi.

INSTRUCTION : Indicate your level of agreement for the given statement.

Skala/Scale: 1 - Sangat tidak setuju/ Strongly disagree 2 - Tidak setuju/ Disagree
3 - Agak setuju/ Quite agree 4 - Setuju/Agree
5 - Sangat setuju/ Strongly agree

No.	Dimension	Circle
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KAEDAH PENGAJARAN

TEACHING METHODS

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|----|--|---|---|---|---|---|
| 1 | Is this your first learning experience using whatsapp in class activities in achieving the learning outcome. | 1 | 2 | 3 | 4 | 5 |
| 2. | It is an interesting learning platform with the learning activities design by the lecturer. | 1 | 2 | 3 | 4 | 5 |
| 3. | Learning scenarios with gamification design using whatapps platform is beneficial. | 1 | 2 | 3 | 4 | 5 |

4.	Lecturers creativity and innovative way in designing learning activities using whatapps application is recommended.	1	2	3	4	5
5.	Experiencing efficient learning due to quick and easy distribution of learning materials (learning resources and discussion output)	1	2	3	4	5
6.	Learning environment using whatapps platform is interesting and fun.	1	2	3	4	5

KAEDAH PENILAIAN PEMBELAJARAN

EVALUATION OF LEARNING METHODS

7.	Using Whatapps help me to learn from my colleague's good/mistake.	1	2	3	4	5
8.	Instant feedback and reflection by lecturer and my colleague's on achieving the learning outcome based on activities on whatapps platform is crucial and help mein learning Manufacturing sustainability	1	2	3	4	5
9.	Using Whatapps help me to get immediate feedback from my lecturer	1	2	3	4	5

BIMBINGAN DAN PENYELIAAN

GUIDANCE AND SUPERVISION

10.	Learning objectives are more personalized for each lecture session.	1	2	3	4	5
11.	Its motivate me to engage in class activities, interact and give opinion when class activities are carried out using whatsapp platform	1	2	3	4	5
12.	Based on learning activities on whatsapp help me to improve skills in gathering information	1	2	3	4	5

abd using evidence to support argument. Pensyarah sentiasa memberi peluang berinteraksi dan memberi pendapat di dalam kelas dalam meningkatkan keyakinan pelajar.

***PERALATAN DAN TEKNIKAL**

EQUIPMENT AND TECHNICAL

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|-----|---|---|---|---|---|---|
| 13. | It is easy to download/use whatapps at your mobile phone compared to other learning app/gadget/social media platform e.g. facebook, youtube, ulearn | 1 | 2 | 3 | 4 | 5 |
| 14. | It is easy to operate whatapps at your mobile phone compared to other learning app/gadget/social media platform e.g. facebook, youtube, ulearn | 1 | 2 | 3 | 4 | 5 |
| 15. | It is easy to access whatapps at your mobile phone compared to other learning app/gadget social media platform e.g. facebook, youtube, ulearn | 1 | 2 | 3 | 4 | 5 |
| 16. | It is inexpensive to utilize whatapps at your mobile phone compared to other learning app/gadget social media platform e.g. facebook, youtube, ulearn | 1 | 2 | 3 | 4 | 5 |

Cadangan untuk menambah baik pengajaran kursus menggunakan whatapps dalam aktiviti pengajaran dan pembelajaran/*Suggestion to improve teaching of this course using whatapps application during learning activities:*

-Terima kasih/Thank you-