

The Influence of the 2022 World Cup On Engineering Student Enthusiasm Learning in Physic Class

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Abstract The 2022 world cup is one of the much-awaited world events, especially for men. Even though there are some engineering students who are female, they are still dominated by men. The program to watch the world cup ball, whose broadcast time is more often at night or early in the morning, makes engineering students watching drowsy and unfit due to lack of sleep. This has an impact on the enthusiasm for learning in class which makes engineering students' motivation to study decrease. Data analysis technique used is by regression analysis. From the results of the analysis it was found that $F_{hitung} = 4.282$ and $F_{tabel} = 4.130$ ($F_{hitung} > F_{tabel}$), sample of 36 engineering students in physic class was taken so the conclusion of this study is that there is a very large influence decreased enthusiasm for learning during the world cup for engineering students at the University of Medan Area.

Abstrak Piala dunia 2022 merupakan salah satu event dunia yang banyak ditunggu-tunggu, terutama bagi kaum pria. Walaupun ada beberapa mahasiswa teknik yang berjenis kelamin perempuan, namun masih didominasi oleh laki-laki. Acara nonton bola piala dunia yang waktu tayangnya lebih sering pada malam hari atau dini hari membuat mahasiswa teknik yang menonton menjadi mengantuk dan tidak fit karena kurang tidur. Hal ini berdampak pada semangat belajar di kelas yang membuat motivasi belajar mahasiswa teknik menurun. Teknik analisis data yang digunakan adalah dengan analisis regresi. Dari hasil analisis diketahui bahwa $F_{hitung} = 4,282$ dan $F_{tabel} = 4,130$ ($F_{hitung} > F_{tabel}$), diambil sampel 36 mahasiswa teknik di kelas fisika sehingga kesimpulan dari penelitian ini adalah terdapat sangat besar pengaruhnya terhadap penurunan semangat belajar selama piala dunia bagi mahasiswa teknik Universitas Medan Area.

INTRODUCTION

The 2022 world cup is one of the much-awaited world events, especially for men. Although there are several engineering students who are female, they are still dominated by males. Even though watching the world cup today is in demand by all genders, men dominate watching the world cup. Events to watch the world cup football which broadcast time are more often at night or early in the morning. (gridOTO.com, December 2022).

As is known, the World Cup which is held every 4 years is considered one of the most anticipated sporting events of all time around the world. And the Qatar 2022 World Cup, started its first match on November 20 and will end on December 18, 2022.

The group phase of the World Cup does indeed show 4 matches a day and in the knockout phase there are two matches per day. Watching football every night results in a lack of sleep and a lack of fitness (tribunnews.com, December 2022).

Because of staying up late, many of them lack rest or sleep so that their bodies are not in a fit state. If you are tired or sleepy after staying up late watching football, then you are less enthusiastic about studying in class. That's why a study was held on the influence of the 2022 World Cup on engineering students' enthusiasm for learning in class.

METHODS

This research method is Ex post facto. The definition of ex post facto is after the fact, namely research conducted after an incident occurred (Widiarto, 2013)

This method was chosen because researchers cannot control independent variables through manipulation or experimental treatment because treatment already exists and has occurred before by

other people who are not researchers (Sudjana, 2009).

Thus the researchers did not examine any factors that made engineering students sleepy, less fit which resulted in a decrease in the engineering student's enthusiasm for learning in class but only looked at how much influence the 2022 World Cup had on the engineering student's enthusiasm for learning in class.

There are many things that make a person enthusiastic about learning, including influences from within and outside of himself (dayana, marbun, life motivation, 2018). The influence from within is in the form of motivation from within himself to be enthusiastic about learning, but if the condition is lack of sleep due to watching football at the World Cup, sleepy eyes and unfit conditions then motivation decreases while outside influence can be in the form of motivation from lecturers and the learning environment. When you feel sleepy from watching football at the World Cup, your body becomes less fit, which results in a decrease in the enthusiasm for learning for engineering students in class, obtained through the results of tests given by researchers The general equation of simple linear regression is $Y = ax + b$

Then calculate the value of F using the formula:

$$F = S^2_{reg} / S^2_{sis}$$

The testing technique used to test the hypothesis in this study is regression analysis. This regression analysis is used to predict how far the value of the dependent variable changes if the value of the independent variable is manipulated/changed or increased and decreased. (Sugiyono, 2008).

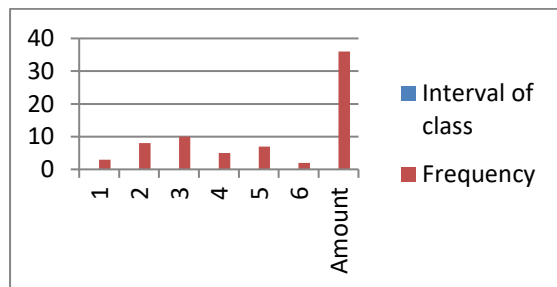
RESULTS AND DISCUSSION

Engineering students' learning enthusiasm can be seen from their learning outcomes. The results of the time-sensitive

engineering student test during the 2022 world cup showed a decrease compared to the previous time, the lowest score was 27 and the highest score was 77 while the average score was 50.5. whereas before the 2022 world cup the lowest score was 50 and the highest score was 80.

Tabel 1. Frequency Distribution of Data from test study before world cup 2022

No.	Interval of class	Frequency
1	50 – 55	3
2	56 – 60	8
3	61– 65	10
4	66– 70	5
5	71 – 75	7
6	76 – 80	2
Amount		36



Tabel 2. Frequency Distribution of Data from test study (1) after wold cup 2022

No.	Interval of class	Frequency
1	27 – 35	3
2	36 – 44	8
3	45 – 53	11
4	54 – 62	5
5	63 – 71	6
6	72 – 80	3
Amount		36

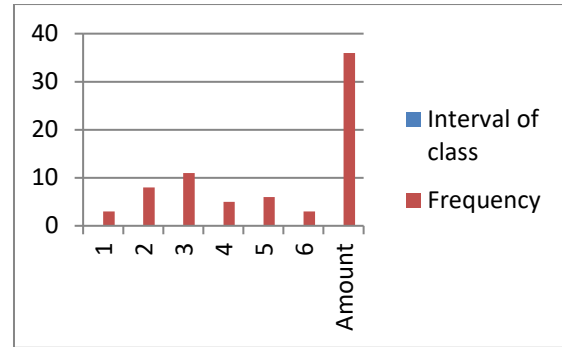
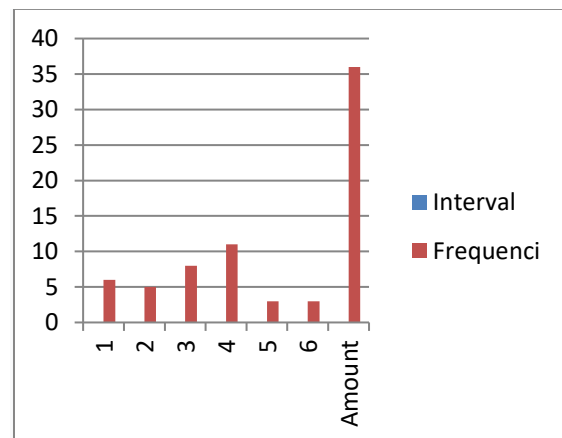


Table 3. Frequency Distribution of Data from test study (2) after wold cup 2022

No	Interval	Frequenci
1	30-38	6
2	39-47	5
3	48-56	8
4	57-65	11
5	66-74	3
6	75-83	3
Amount		36



Pitcure 2. Frequency Distribution of Data from test study (2) after world cup 2022

It can be seen from the existing data that there is a decrease in learning outcomes before and after the 2022 World Cup in the enthusiasm for learning engineering students in the class as seen from the results of tests that were carried out twice. before the 2022 world cup the test results for engineering students were between 50-80, but after the world cup based on the test results twice the score

was between 27 -77. This decrease in learning outcomes was caused by watching the World Cup making engineering students sleepy while studying and their body condition was not fit because they stayed up late.

CONCLUSION

The conclusion from this study is that there is a clear influence between the 2022 World Cup on the enthusiasm for learning engineering students in class.

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BIBLIOGRAPHY

- Ariana, S. A., Mansyur, J., & Supriyatman, S. (2011). Analisis Pemahaman Konsep Siswa Kelas XII SMA Negeri 6 Palu tentang Vektor. *Jurnal Kreatif Online*, 8(1).
- Dayana, Marbun, (2018). *Motivasi Kehidupan*. Jakarta : Guepedia
- Hamid, D. (2013). *Dimensi-Dimensi Metode Penelitian Pendidikan Dan Sosial*. Bandung: Alfabeta.
- Hidayat, T., & Sari, I. N. (2019). Korelasi Kemampuan Matematis dengan Hasil Belajar pada Materi Suhu di Kelas X SMA Negeri 1 Jawai Selatan. *Jurnal Pendidikan Sains Dan Aplikasinya*, 2(2), 36-39.
- Muhibbin, S. (1999). *Psikologi Pendidikan dan Pendekatan Baru*. Rosdakarya, Bandung. PT Remaja.
- Poerwadarminta, W. J. S. (1984). *Kamus Umum Bahasa Indonesia*, Jakarta: PN. Balai Pustaka.
- Pristanti, Anggun Ika, Amiruddin Hatibe, and Sahrul Saehana. "Pengaruh Kemampuan Matematika dan Motivasi Belajar Terhadap Kemampuan Fisika Siswa SMA Negeri

4 Palu." *JPFT (Jurnal Pendidikan Fisika Tadulako Online)* 5.3:37-40.

Sappaile, B. I. (2010). Konsep Penelitian Ex-Post Facto. *Jurnal Pendidikan Matematika*, 1(2), 1-16.

Sudjana, N. (2009). *Penelitian Hasil Proses Belajar Mengajar*. Bandung: Rosdakarya.

Sugiyono. (2008). *Metode penelitian pendidikan:(pendekatankuantitatif, kualitatif dan R & D*. Alfabeta. Bandung.