Study of PUBG Addiction Level Among University Students

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Article Info:	ABSTRACT
Article History:	Player Unknown's Battleground (PUBG) is one of the most popular and
Received:	successful games globally and become very popular among the youths in
12 Dec 2022	recent years. The number of active players continues to increase globally,
Revised:	even reaching 100 million players every month. Of this number, the second
12 July 2023	country in the world that has monthly active players is Indonesia. Recent
Accepted:	academic studies and statistical research reveal that game addiction among
20 July 2023	college students has shown an increasing trend, and will likely increase in the
Available Online:	future as well. This study was conducted to find out the level of addiction of
12 August 2023	PUBG especially for at the Dipa Makassar University students. PUBG
	Addiction Test (PAT) was used to measure the level of PUBG addiction
Keyword:	among young adolescents. The results of this study indicate that most of the
Online Game,	respondents, or 46.0% of respondents belong to the category of low-level
PUBG, Addiction,	addiction, followed by those who are in the moderate-level category (44.9%).
University,	Respondents who are included in the high level category are only a small
Indonesia	portion of 8.9%.

1. INTRODUCTION (11 PT)

PlayerUnknown's Battleground (PUBG), an online multiplayer battle royale game developed and released by PUBG Corporation, is one of the most popular and successful games globally and become very popular among the youths in recent years (Diah *et al.*, 2021; Sen *et al.*, 2021). The number of active players continues to increase globally, even reaching 100 million players every month. Of this number, the second country in the world that has monthly active players is Indonesia (Sung and Umar, 2020).

This phenomenon makes PUBG not only used as a means for entertainment or just fill in spare time but turns into a need that is inherent in the daily lives of the players (Saban, Umasugi and Buamona, 2020). Although this is only a factor of entertainment but not necessarily everything is fine. Eventually the players become addicted to the game which can hinder their quality of life (Tamilselvi and Bhuvaneswari, 2020). Recent academic studies and statistical research reveal that game addiction among college students has shown an increasing trend, and will likely increase in the future as well (Bekir and Yildirim, 2018).

There are very limited studies of PUBG addiction level. However, there is already some relevant research within this area, eg, the impact that gaming platforms like PUBG can have on an individual's mental health (Aggarwal *et al.*, 2020; Zul Kamal and Wok, 2020; Sunil, Sharma and Anand, 2021), the psychosocial impact (Mamun and Griffiths, 2019), PUBG-related suicides . In this study, measuring PUBG addiction level conducted to determine the topic of further study after knowing the level of PUBG addiction.

ISSN Print : 1979-7141 ISSN Online : 2541-1942 This study was conducted to find out the level of addiction of PUBG especially the Dipa Makassar University's students. After knowing the level of student addiction, the direction for further research can be determined.

2. METHOD

The study conducted is a descriptive survey study that uses a quantitative approach. PUBG Addiction Test (PAT) developed by D'Souza et al. (D'Souza, S and S, 2019) was used to measure the level of PUBG addiction among young adolescents. PUBG Addiction Test (PAT) includes 34 question items (Figure 1) divided into 7 variables and its goal is to measures the addiction formed in PUBG in three levels: low, moderate and high. Each variable briefly conceptualized in the Table 1. Answers are available in the form of a Likert scale, ranging from 1 to 5, where 1 means strongly disagree, 5 means strongly agree. Scores ranged between 20-49 in the questionnaire indicating a low level of addiction, between 50-79 indicating a moderate level of addiction and from 80 to 100 indicating a high level of addiction. The survey was conducted online and distributed randomly to the Dipa Makassar University's students. Only students who have experience playing PUBG can fill out and complete PUBG Addiction Test (PAT). The data were then analyzed using SPSS. A total of 198 respondents were willing to provide feedback to the online survey conducted. Reliability measure of $\alpha = 0.91$ was found.

Table 1. PUBG Addiction Test (PAT) Variable Definition

Component	Definition
Disengagement	When the individual withdraws his/her involvement in a social activity, amidst people or in a group due to usage of PUBG.
Lack of control	Due to the use, the performance or productivity of the individual seems to be affected, they find it difficult to cut down the usage and spend a lot of time thinking about games even when they are not playing, or planning when they can play next.
Excessive use	Being secretive about the use and overindulgence of usage causing disturbance to normal routine lifestyle.
Obsession	Intense passion towards the game and no track of time played, feeling compelled to play more and search more items in the game.
Distress	Playing excess causes manifestations of anxiety and sorrow in the individual when not able to play.
Escapism	Using PUBG as a source to escape from reality, forget about personal problems, or to relieve uncomfortable feelings such as guilt, anxiety, helplessness or depression.
Over-enthusiasm & Impulsive use	The individual has an excessive involvement and this causes unwanted behavior patterns in the individual and also the individual cannot control the usage and does not pay concern over the consequences.

Table 2. PUBG Addiction Test (PAT) (D'Souza et al.)

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3. RESULTS AND ANALYSIS

Demographic details of the respondents involved in this study can be seen in Table 3. As many as 198 respondents have participated in which respondents are dominated by males at 76% and the rest are females as much as 24%. by age category, 83% of respondents are aged 21 and under and 17% are over 21 years of age.

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Demographics	Frequency (N)	Percentage (%)
Gender	303200	
Male	151	76%
Female	47	24%
Age	142.1.2	
21 and below	164	83%
Above 21	34	17%

Table 3. Respondent Demographic Details

Figure 1 shows the classification of addiction levels based on the PUBG Addiction Test (PAT) assessment. A range of scores below 79 in the questionnaire indicates a low level of addiction, between 79-125 indicates a moderate level of addiction and a score above 125 indicates a high level of addiction. Reliability measure of $\alpha = 0.96$ was found.

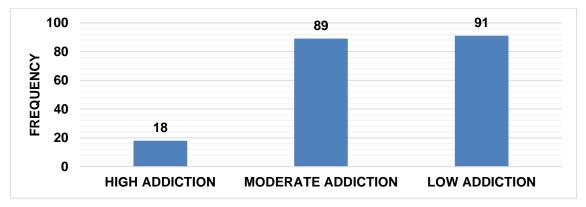


Figure 1. Addiction Level Among Respondents

Based on the findings presented in Figure 1, it is known that most of the respondents or 46.0% of the respondents belonged to the category of low-level addiction, followed by those who were in the moderate-level category (44.9%). Only a small proportion of respondents (8.9%) are included in the high-level category.

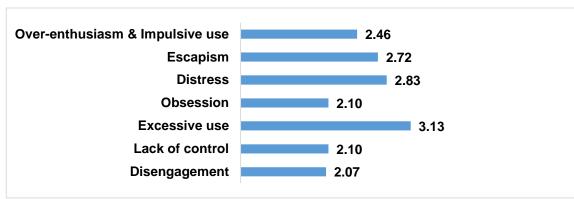


Figure 2. The Mean Scores per Variable of PUBG Addiction Test (PAT)

Figure 2 represented the mean scores of each variable of PAT. Based on the Figure 2, excessive use variable had the highest mean score (3,13) and indicated possible disruption of the normal routine lifestyle. Obsession and lack of control variable had the lowest mean score (2,10).

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Figure 3. The Mean Scores per item question of PUBG Addiction Test (PAT)

Figure 3 represented the mean scores of each item question of PAT. Based on the Figure 3, "I feel more connected to friends while playing a PUBG team match with them rather than playing alone" item question had the highest mean score (3,23) that indicated that the students feel more connected to friends while playing a PUBG team match with them rather than playing alone and "I have lost friendships due to PUBG game" item question had the lowest mean score (1,53) which means that the students don't lose friendship due to PUBG game.

4. CONCLUSION

The results of this study showed PUBG addiction levels of Dipa Makassar University students. Most of the respondents, or 46.0% of respondents belong to the category of low-level addiction, followed by those who are in the moderate-level category (44.9%). Respondents who are included in the high level category are only a small portion of 8.9%. Excessive use had the highest mean score (3,13) and indicated possible disruption of the normal routine lifestyle. Obsession and lack of control had the lowest mean score (2,10). Further, other interesting areas of research can be undertaken. Collaboration with researchers from social sciences and psychologists can lead to more in-depth and diverse observations of PUBG addiction.

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