

EXPLORING THE INTERCONNECTIONS BETWEEN SOCIAL MEDIA ADDICTION, SELF-ESTEEM, AND LIFE SATISFACTION AMONG UNIVERSITY STUDENTS

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ABSTRACT

This study analyses the complicated connections that exist between university students' self-esteem, life satisfaction, and addiction to social media. By January 2023, around 33% of the total populace was associated through social media, a huge expansion in its utilization. Considering everything, social media measurements show a typical yearly expansion in complete customers of 10%. Researchers are burning through large chunk of change concentrating on this peculiarity and what it means for each part of their clients' lives as per these bewildering estimations. By inspecting the connections between the propensity shaping utilization of social media, self-esteem, and life satisfaction, our survey means to add to the developing collection of information with respect to this point. For this reason, a customary review instrument was utilized, the Social Media Addiction Questionnaire (SMAQ), which was adjusted from the Facebook Interference Questionnaire. To gather fragment information and reactions to the SMAQ, Rosenberg's Self-Esteem Scale, and the Satisfaction with Life Scale, respondents finished an internet-based survey structure. As well as surveying the psychometric characteristics of the SMAQ, data examinations included essential condition show, backslide examination, and Pearson correlations between the parts. The SMAQ one-factor model had great psychometric characteristics and great internal consistency, as indicated by the outcomes. Concerning, the last decision had a decent relationship with life satisfaction, while propensity shaping social media use had a negative relationship with self-esteem. Moreover, research showed that the impact of social media addiction on life satisfaction was mediated by self-esteem.

Keywords: *Interconnections, Social Media Addiction, Self-Esteem, Life Satisfaction, University Students, Social Media Addiction Questionnaire*

1. INTRODUCTION

The past decade has seen a critical expansion in the utilization of social media stages, which has modified how people impart, work together, and view themselves [1]. For understudies, who are especially defenceless to these computerized stages, social media has turned into a fundamental part of day to day existence [2]. This comprehensiveness brings up significant issues concerning the mental and nearby effects of social media use, especially according to addiction, self-worth, and life satisfaction. It is basic to understand these connections since undergrads are in a developmental phase of life where the establishments for proficient achievement and future wealth are set [3].

A developing issue, social media addiction is described by unnecessary and hasty utilization of social media stages that slows down day to day exercises and monetary achievement [4]. University students are particularly helpless because of the serious social and scholastic tensions they experience. A lot of time can be spent on these stages, frequently to the detriment of significant discussions and obligations, because of the consistent craving to really look at notices, distribute updates, and tempt clients with online substance [5]. This propensity shaping way of behaving can adversely affect emotional wellness, compounding issues like pressure, sorrow, and unfortunate scholarly execution. Besides, the substance found on social media could twist one's impression of the real world and lead to silly suspicions and investigations [6].

Social media impacts self-esteem, which is a principal part of profound wellbeing. The analysis that university students get on social media can significantly affect their identity worth since they are in a urgent phase of self-divulgence and character improvement [7]. Negative criticism or an absence of responsibility can prompt weaknesses and low self-worth, however certain correspondence and buddy endorsement can help self-esteem. These impacts can be exacerbated by the organized idea of social media profiles, where clients regularly post admired adaptations of their life, misshaping individuals' impression of the real world [8]. Therefore, students might encounter strain to adjust to specific guidelines, which might prompt an example of conduct that is both propensity shaping and negative to their self-esteem trying to acquire endorsement [9].

One more principal region affected by social media use is life satisfaction, which incorporates a singular's general appraisal of their degree of opulence and individual satisfaction [10]. A persevering readiness to acknowledge romanticized pictures and lives from social media could prompt discontent with one's genuine conditions. University students who are diving into the intricacies of scholarly, social, and self-mindfulness might get themselves unendingly despondent subsequently [11]. Research has demonstrated that unnecessary utilization of social media could prompt diminished life satisfaction since clients might draw negative correlations between their daily existences and the apparently ideal existences of others [12]. This sort of commitment can hose the fervor encompassing one's accomplishments and connections, which can adversely affect thriving overall.

To assemble genuinely strong organizations and influential intercessions, it is fundamental to explore the connections between university students' self-esteem, life satisfaction, and addiction to social media [13]. Instructors, mental health subject matter experts, and legislators can all the more effectively address the difficulties presented by advanced age on the off chance that they have a superior handle of how these factors communicate. The adverse consequences of social media on university students can be relieved by advancing sound social media propensities, establishing conditions that support self-esteem, and empowering a reasonable viewpoint on life satisfaction [14]. However long this gathering keeps on drawing in at a profound level, guaranteeing their emotional wellness and achievement turns out to be progressively significant for their scholar and individual achievement.

2. LITERATURE REVIEW

Błachnio, Przepiorka, and Rudnicka (2016) look at how self-centeredness and self-worth assume a part in foreseeing various parts of Facebook use [15]. Their examination features the mind boggling connection between character qualities and conduct on social media, conjecturing that people with elevated degrees of self-retention might take part in social relationship and self-progression on Facebook, while those with low self-esteem might utilize the stage to look for social help and endorsement. Through analyzing explicit parts of Facebook use, for example, refreshing announcements and associating with others, Błachnio et al. add to a more profound comprehension of the major inspirations for online coordinated efforts.

Comrey and Lee (2013) give a complete manual for factor examination, a quantifiable method frequently utilized in mental exploration [16]. Their book gives a purposeful way to deal with grasping the prerequisites and uses of variable examination, from coordinating data to deciphering discoveries. Through the clarification of principal ideas, for example, factor extraction and turn, Comrey and Lee enable specialists to supervise extensive investigations and concentrate significant experiences from complex educational records. Their review fills in as a central asset for specialists wishing to investigate associations and inactive structure in social media research.

Denti et al. (2012) share discoveries from Sweden's biggest Facebook study, giving goodies of data about the economics, use cases, and wellsprings of motivation for Swedish Facebook clients [17]. The review uncovers designs in Facebook use across various age gatherings and topographical areas utilizing audit information gathered from more than 2,000 individuals. Furthermore, Denti et al. investigate things like social capital and protection gives that influence an individual's obligation to Facebook. Their examination gives significant bits of knowledge into the parts of social media use inside a particular social setting, revealing insight into future exploration on electronic way of behaving and social frameworks organization stages.

Garett, Liu, and Youthful (2018) inspect the connection between understudies' utilization of social media and their nature of rest [18]. Their examination uncovers a vital connection between expanded social media use and unfortunate rest quality, stressing how extreme screen time frustrates peaceful rest designs. Garett et al. develop how we might interpret the components behind this connection by analyzing explicit social media stages and use plans. Their discoveries highlight the need of improving sound modernized tendencies to relieve rest related objections in youthful grown-ups.

Guyen (2019) looks at the connection between undergrads' utilization of social media, identity, and level of life satisfaction [19]. Their examination reveals insight into the complicated connection between individuals' view of themselves and their general degree of bliss with life and online social organizations. As indicated by Guyen's audit, there are varying impacts of social media use on life satisfaction and self-esteem. Superfluous utilization of the stage might intensify negative self-revelations while encouraging social associations. Guyen gives bits of

knowledge on the perplexing impacts of social media on individuals' success by inspecting these psychological angles.

Hawi and Samaha (2016) analyze the adverse impacts of wireless addiction on students' scholastic execution [20]. Their examination features the negative connection between wireless addiction and scholastic achievement, as well as the effect inordinate PDA use has on concentrate on propensities and mental working. Hawi and Samaha give undeniable proof connecting mobile phone addiction to ominous scholarly results through audit information and educational execution evaluations. Their examination underscores that it means a lot to deal with PC reliance to improve student progression in postsecondary schooling.

3. METHOD

3.1. Sampling Procedure

The present study was coordinated in English at Indian Organization of Innovation [IITD], New Delhi India, as it is the language of direction at this university that follows the American tutoring system. In the Delhi, this study was the first of its sort. Considering university students' purposeful affiliation, it was cross-sectional. Systematic unpredictable investigating was used to offer every student an identical possibility partaking. Each student was picked carelessly from the student people, organized by student ID number, and the fifth student was perused the once-over. Without a doubt, the model is representative of the general population when systematic unpredictable reviewing is used. The institutional assessment driving gathering of the university surrendered support for the assessment. Going before wrapping up the survey, individuals were explained the study's point and an affirmation that the strategies used for information assembling, storing, and enumerating would safeguard their security and characterization. The online outline was done by 200 individuals through the university's Student Information System.

3.2. Data Collection Instruments

Four particular areas involved the study: three for singular exploration gadgets and one for portion information. Age and direction were provided in the section information box. The Satisfaction with Life Scale (SwLS), the Rosenberg Self-Esteem Scale (RSES), and the SMAQ were utilized to occupy in the leftover spaces. The assessed time expected to finish the study was fifteen to twenty minutes.

Table 1: Exploratory Factor Analysis Loadings.

Statement	Loading	Status
Even when I'm not using social media, I think about it a lot.	.664	Very good
I frequently utilize social media for no specific purpose.	.606	Good
I've gotten into arguments with people due of my usage of social media.	.559	Good
My other activities are interrupted whenever I feel the desire to check social media.	.759	Excellent
I get a sense of community when I utilize social media.	.671	Very good
I become distracted by my use of social media.	.784	Excellent
I get upset at the idea of not being able to use social media.	.772	Excellent
I've been unable to cut back on my usage of social media.	.731	Excellent

Social media is utilized to supplant Facebook to acquire the SMAQ (see Table 1). This guaranteed the change in center from a specific social media stage giving various exercises that sort out a subset of social media activities to the development that envelops all social media sorts. The eight-thing FIQ was created considering the wireless affiliation questionnaire and Gritty Hued's 10 social addiction parts. It evaluates Facebook addiction. It tends to the adverse consequences of social addiction and is reliable, brief, and having superb psychometric characteristics. "The inquiries beneath are about your relationship to and use of online social media (Facebook, Twitter, Instagram, LinkedIn, and so forth)," expressed the SMAQ's recommendation intentionally. Responses were added to show more significant levels of addiction and were represented on a 7-point Likert-type scale, going from 1 (obviously deviate) to 7 (immovably agree). One such proclamation is, "I feel pained at the possibility of not having the option to get to social media."

The component plan of the SMAQ was tried utilizing a basic head parts assessment with skewed (Direct Oblimin) turn and Kaiser Normalization. The pairwise relationship cross section was analyzed subsequent to missing worth investigations uncovered that generally 1.5% of cases were absent. There were no perceivable univariate or multivariate peculiarities, and the information were reliably presented. The factorability of the association structure was upheld by the Kaiser-Meyer-Olkin extent of assessing adequacy (MSA), which was 0.90,

surpassing the suggested worth of 0.58. Furthermore, Bartlett's preliminary of sphericity decided verifiable significance ($w^2 = 1003.48$, $df = 26$, $p < .001$). One part was distinguished as bookkeeping, which represented 50.19% of the general variability in our audit in reverberation with another survey. An assessment of the scree plot uncovered a consistent hole following the primary section. The Cattell scree test was utilized to discover that one-part ought to be held. Table 1 presents thing loadings. Everything was heaped on top of .58. Thus, every stacking improved from alright to breath-taking. There was solid inward consistency (Cronbach's $\alpha = .85$).

The SMAQ had a mean score of 22.3 ($SD = 8.2$), with scores going from 8 to 50, showing a moderate degree of propensity framing social media utilize by and large. In contrast with men, who scored 21.6 ($SD = 8.2$), ladies had a mean score of 25.0 ($SD = 8.2$). Ladies, by and large, revealed utilizing propensity framing social media at higher rates.

The RSES is a 10-thing review that gets some information about an individual's general assessment of their own value. A 5-point Likert-type scale, going from 1 (emphatically dissent) to 5 (unequivocally concur), was utilized to code the responses. The RSES incorporates five proclamations that are expressed adversely, (for example, "now and again I accept for the time being that I'm no fair using any and all means") and five that are stated decidedly, (for example, "I'm prepared to finish things as well as by far most"). Every respondent's not entirely settled by first coding the adversely stated things, then adding responses. Raised scores show expanded self-worth. Inside consistency was solid (Cronbach's $\alpha = .84$), equivalent to different tests. The RSES had a mean score of 38.0 ($SD = 5.0$), with scores going from 17 to 50, showing commonly elevated degrees of self-esteem. All things considered, though females scored somewhat higher at 38.3 ($SD = 4.4$). By and large, ladies detailed feeling somewhat more certain about themselves.

The SwLS estimates mental self-judgment in regards to life satisfaction, which is an intermediary for dynamic flourishing. It comprises of five things that are evaluated on a seven-point Likert scale that reaches from 1 (emphatically dissent) to 7 (unequivocally concur). This scale's scores went from 5 to 35 in the ongoing survey, and it had a decent degree of inside consistency (Cronbach's $\alpha = .83$). Raised scores on the SwLS show an elevated degree of life satisfaction. The SwLS mean score for this survey was 21.3 ($SD = 5.5$), which demonstrates commonly sufficient degrees of life satisfaction. All things considered, while females scored

to some degree higher at 22.0 (SD = 7.4). Ladies for the most part revealed being somewhat more joyful with their life.

3.3. Data Analysis

The SMAQ's standard part request was directed by IBM SPSS 20, and Pearson thing second relationship coefficients were found. The examinations were utilized to analyze the association between self-esteem, life satisfaction, and social media addiction. Preliminary examinations were led in all of the straightforward direct backslide tests to guarantee that the speculations of conventionality, linearity, multicollinearity, and homoscedasticity had not been abused. With IBM SPSS Amos Delineations 20, the recognizable evidence and assessment of the guessed way model were completed in a SEM structure.

4. RESULTS

Table 2 presents a fair representation of members by orientation, with equal representation of men and women. Regarding, the majority, or 40% of the instances, come between the 21–23 age range, with the more mature 18–20 and 24-26 age groups following closely behind. In terms of academic status, participants are evenly distributed among several extended periods of study, with children making up the largest group at 30%. The field of study is varied, with the two most common areas being business and design, which account for 25% of the total. In addition, a sizable portion of members—60% of the example—live in close proximity to housing, with the remaining 40% choosing off-ground accommodations. This comprehensive overview of socioeconomics provides valuable insights into the selection of the review's membership, combining a sophisticated understanding of the subsequent research and findings.

Table 2: The demographic profile of those surveyed

Demographic Variables	Categories	Frequencies	Percentages
Gender	Male	100	50%
	Female	100	50%
Age	18-20	60	30%
	21-23	80	40%
	24-26	50	25%
	27+	10	5%

Year of Study	Freshman	50	25%
	Sophomore	40	20%
	Junior	60	30%
	Senior	50	25%
Field of Study	Engineering	40	20%
	Business	50	25%
	Social Sciences	30	15%
	Natural Sciences	40	20%
	Humanities	40	20%
Residence	On-Campus Housing	120	60%
	Off-Campus Housing	80	40%

Table 3 gives a prologue to the audit's means, SDs, and intercorrelations. An investigation of the connection between social media addiction (estimated by the SMAQ) and life satisfaction (estimated by the SwLS) was directed utilizing a Pearson thing second relationship coefficient. The connection between an individual's addiction to social media and life satisfaction was zero-demand. The outcome approved Hypothesis 1 (allude to Table 3). Besides, a Pearson thing second relationship coefficient was utilized to research the relationship between life bliss and self-esteem. Fundamental examination was finished to guarantee that the suppositions of homoscedasticity, linearity, and commonness were not disregarded. As such, on the off chance that apparent self-esteem drops by one standard deviation from its mean, life satisfaction ought to drop by 0.55 standard deviations from its own mean, saving any important regional correlations that might in any case exist. These outcomes affirmed the accompanying guess (see Table 3).

Table 3: Ranges, Standard Deviations, Means, and Correlations Among Variables

Variable	M	SD	Range	Gender	SMAQ	RSES	SwLS
Gender	-	-	-	1	-	-	-
SMAQ	23.3	8.2	8–50	0.173**	1	-	-
RSES	38.0	5.0	17–50	0.058	0.229**	1	-
SwLS	22.3	5.5	5–35	0.120*	0.026	0.566**	1

To decide the degree to which social media addiction can foresee proportions of self-esteem, a basic straight backslide was led. 4.0% of the adjustment of self-esteem could be made sense of by social media addiction, $F(1,362) = 22.7, p = .001$. Moreover, 31.1% of the variety in life satisfaction could be made sense of by self-esteem $F(1,362) = 216.7, p < .001$. The impact of self-worth on life satisfaction was analyzed while keeping the extras. To completely look at the impact of social media addiction on the remaining change in life satisfaction, a second backslide evaluation was directed. Therefore, no tremendous impact was found, and social media addiction influenced life delight. These discoveries upheld Speculations 1 and 2, as indicated by which social media addiction and life joy are mediated by self-esteem. For the guessed way model, all b values are held (see Figure 1).

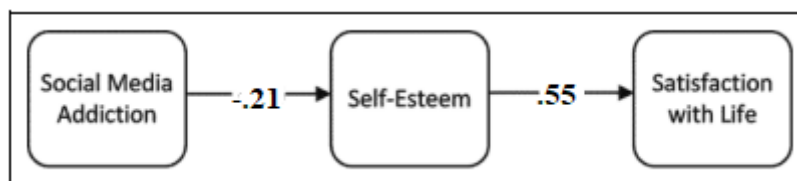


Figure 1: Conceptual framework using path analysis.

What's more, a straight-forward backslide was completed to foresee how folks and young ladies would feel about themselves considering their addiction to social media. These discoveries go against Hypothesis 3, as social media addiction made sense of a bigger piece of the error in young ladies' self-esteem contrasted with guys. Generally, an immediate and simple backslide was completed to foresee people's life bliss considering social media addiction. Addiction to social media didn't anticipate life satisfaction for men or ladies. This examination affirmed Hypothesis 4, which holds that there is no distinction in sexual direction between addiction to social media and life delight.

The guessed way model's w^2 to df extent (1.187) has a p esteem of.133. This proportion demonstrates how well our guessed model fits the example information. Then, at that point, the guessed model (allude to Figure 1) was acknowledged as a reasonable representation of the example information. For this model, the root implies square mistake of estimate (RMSEA) was.059. Subsequently, the non-cyclic model fits the information enough on the grounds that its RMSEA was less than.078. Furthermore, the honesty of fit, the comparable fit record, the

normed fit document, and the exhaustt Lewis coefficient were, respectively,.982,.989,.971, and.991. Various estimations recommended that the model fit the information well indeed. Furthermore, the determined PCLOSE (0.279) was practically more prominent than.048, showing that there was unquestionable proof to invalidate the possibility that the RMSEA exceeded.498. The standardized root means square lingering esteem of.024 showed brilliant fit, as it was a lot of underneath the most extreme worth of.078. By utilizing AMOS, Adaptation 20, for essential condition showing, we had the option to exhibit that the guessed model fits the model information very well.

5. DISCUSSION

Looking at the connections between social media addiction, self-esteem, and life satisfaction was the principal objective of this study. To accomplish this objective, we examined the psychometric characteristics of the SMAQ and changed over FIQ into a proportion of social media addiction. The exhaustive quality check of the SMAQ uncovered that its inside consistency was astounding. Likewise, the investigation of exploratory factors uncovered that a general one-factor model fitted the information very well.

Moreover, our discoveries upheld Hypothesis 1 by showing that there was no immediate connection between social media addiction and life joy. This outcome is predictable with a few examinations that shown what utilizing social systems organization destinations straightforwardly meant for life satisfaction. It is conceivable that social media addiction doesn't have anything to do with understudies' life satisfaction in light of the fact that the last choice, as it creates, looks at generally speaking individual satisfaction, considering different perspectives like those of family, companions, educators, friends, and organizations. By and by, social media addiction is connected to low self-esteem in light of the fact that the last decision just thinks about a little part of an individual's life. Higher social media addiction scores among university students were related with less fortunate degrees of self-esteem contrasted with lower social media addiction scores, which is reliable with the consequences of different tests. Our discoveries support this: autonomous of the lifestyle that the audit is centered around, those with lower self-esteem appear to depend more on social media. Besides, students risk bringing down both their degree of self-esteem and life satisfaction in the event that they utilize social media to work on their view of themselves. The model information fills in as proof for this relationship, as examination uncovered a reasonable and solid connection

between's life joy and self-esteem. Studies have demonstrated positive correlations between life joy and self-worth.

Hypothesis 2 was upheld by our survey, which found that self-esteem went about as an arbitrator in the connection between social media addiction and life joy. Social self-esteem mediated the connection between social systems the board districts and individual flourishing, as per a survey including 878 Dutch young people. Moreover, a survey including 342 youthful Indian individuals uncovered that the connection among flourishing and social systems organization site use was mediated by self-esteem.

Our test's discoveries might be the most important move towards understanding, surveying, and forestalling social media addiction. This exploratory task delivered the SMAQ, a fair scale with superb psychometric characteristics that fills in as an establishment for future study on social media addiction utilizing various models taken from various segment fragments and with extra mental, conduct, and social perspectives.

Besides, there exist a couple of conceivable situations in regards to the utilization of our exploration discoveries in day to day existence. The mystery is to bring issues to light of issues that can be tended to in instructive establishments, families, and schools that target kids as a rule, students who need self-worth, or students who are subject to social media. In spite of their intricacy, treatment, mediation, and neutralization are likewise vital.

There are sure snags in the survey. Most importantly, on the grounds that circumstances and legitimate result linkages are not uncovered by a cross-sectional arrangement, longitudinal investigations are expected to give a superior comprehension of the directionality of the connections since they might be reciprocal. The model that main included students from one university presents another potential restriction since it probably won't represent the entire populace. Despite the fact that the greater part of concentrates on online social media addictions have utilized information from a solitary university, future study ought to take a gander at different colleges and age bunches that likewise depend intensely on social media sources. At long last, we eliminated "Facebook" from the FIQ to make the questionnaire more comprehensive given the presence of other energetic social media applications, despite the fact that Facebook is as yet the most notable social systems organization site today and a huge piece

of the scales were intended to gauge just Facebook addiction. This was additionally applied to the Facebook Scale in Bergen.

6. CONCLUSION

The assessment of the connections among undergrads between social media addiction, self-worth, and life satisfaction gives major bits of knowledge on the psychological scene formed by advanced devotion. Addiction to social media will keep on being a significant issue because of the fast headway of versatile and tablet possession, the advancement of new developments, and the significant improvement of purposes. Our discoveries recommend that there is a negative connection between social media addiction and self-esteem as well as a mediated connection between social media addiction and life satisfaction, free of culture and direction. We expect the issue will just deteriorate as social media's appeal becomes because of the cerebrum science hidden it. Future examinations are in this manner expected to complete further exploration on the relationship, since a powerless connection at present may ultimately become moderate, and a moderate alliance at present may ultimately become solid areas. Subsequently, future study ought to expand on these discoveries to test for the previously mentioned relationship as well as explore procedures for anticipation and treatment.

REFERENCES

1. Alonzo RT, Hussain J, Anderson K, Stranges S. "Interplay between social media use, sleep quality and mental health outcomes in youth: a systematic review." *Sleep Medicine* 64 (December) 2019, S365.
2. Andreassen, C. (2015). *Online social network site addiction: A comprehensive review. Current Addiction Reports*, 2, 175–184.
3. Hussain Z, Griffiths MD. "The associations between problematic social networking site use and sleep quality, attention-deficit hyperactivity disorder, depression, anxiety, and stress". *International Journal of Mental Health and Addiction.*, 2019, 1-15.
4. Kabasakal, Z. (2015). *Life satisfaction and family functions as-predictors of problematic internet use in university students. Computers in Human Behavior*, 53, 294–304.
5. Karki K, Singh DR, Maharjan D, KC S, Shrestha S, Thapa DK. "Internet addiction and sleep quality among adolescents in a peri-urban setting in Nepal: A cross-sectional school-based survey", *PLOS one* 2021;16(2): e0246940.

6. Lepp, A., Barkley, J. E., & Karpinski, A. C. (2014). *The relationship between cell phone use, academic performance, anxiety, and satisfaction with life in college students. Computers in Human Behavior, 31*, 343–350.
7. Lin PH, Lee YC, Chen KL, Hsieh PL, Yang SY, Lin YL. "The relationship between sleep quality and internet addiction among female college students", *Frontiers in neuroscience.* 2019; 13:599.
8. Moon, J. H., Lee, E., Lee, J.-A., Choi, T. R., & Sung, Y. (2016). *The role of narcissism in self-promotion on Instagram. Personality and Individual Differences, 101*, 22–25.
9. Pantic, I. (2014). *Online social networking and mental health. Cyberpsychology, Behavior, and Social Networking, 17*, 652–657.
10. Perrin, A. (2015). *Social networking usage: 2005-2015. Pew Research Center. Retrieved from <http://www.pewinternet.org/2015/10/08/2015/Social-Networking-Usage-2005-2015/>*
11. Ryan, T., Chester, A., Reece, J., & Xenos, S. (2014). *The uses and abuses of Facebook: A review of Facebook addiction. Journal of Behavioral Addictions, 3*, 133–148.
12. Samaha, M., & Hawi, N. S. (2016). *Relationships among smartphone addiction, stress, academic performance, and satisfaction with life. Computers in Human Behavior, 57*, 321–325. doi: <http://dx.doi.org/10.1016/j.chb.2015.12.045>
13. Tsitsika, A., Janikian, M., Schoenmakers, T. M., Tzavela, E. C., Olafsson, K., Wońcik, S., ... Richardson, C. (2014). *Internet addictive behavior in adolescence: A cross-sectional study in seven European countries. Cyber Psychology, Behavior, and Social Networking, 17*, 528–535.
14. van den Eijnden, R. J., Lemmens, J. S., & Valkenburg, P. M. (2016). *The Social Media Disorder Scale: Validity and psychometric properties. Computers in Human Behavior, 61*, 478–487.
15. Błachnio, A., Przepiorka, A., & Rudnicka, P. (2016). *Narcissism and self-esteem as predictors of dimensions of Facebook use. Personality and Individual Differences, 90*, 296–301.
16. Comrey, A. L., & Lee, H. B. (2013). *A first course in factor analysis. New York, NY: Psychology Press.*
17. Denti, L., Barbopoulos, I., Nilsson, I., Holmberg, L., Thulin, M., Wendblad, M., ... Davidsson, E. (2012). *Sweden's largest Facebook study. Gothenburg Research Institute, 2012*, 3.

18. Garrett R, Liu S, Young SD. "The relationship between social media use and sleep quality among undergraduate students" *Information, Communication & Society* 2018;21(2):163-173.
19. Guven A. *Relationship between social media use, self-esteem, and satisfaction with life, University of Alabama Libraries, 2019.*
20. Hawi, N. S., & Samaha, M. (2016). *To excel or not to excel: Strong evidence on the adverse effect of smartphone addiction on academic performance. Computers & Education, 98, 81–89.*

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