






**The Effects of Social Media Networking on the Academic Performances of Students**  
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<b>Author/s</b>	<b>Somantri Manap<sup>1</sup>, Sumarsih<sup>2</sup>, Asti P. Kartiwi<sup>3</sup>, Lilis Karwati<sup>4</sup></b>	
<b>Affiliation</b>	<sup>1,2,3</sup> Faculty of Training and Teacher Education, Universitas Bengkulu. <sup>4</sup> Faculty of Teacher Training and Education, Universitas Siliwangi	
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# The Effects of Social Media Networking on the Academic Performances of Students

Somantri Manap<sup>1</sup>, Sumarsih<sup>2</sup>, Asti P. Kartiwi<sup>3</sup>, Lilis Karwati<sup>4</sup>

<sup>1</sup>Department of Educational Administration, Faculty of Training and Teacher Education, Universitas Bengkulu. ORCID: 0000-0002-5636-2137. Email: manapsomantris@gmail.com

<sup>2</sup>Department of Educational Administration, Faculty of Training and Teacher Education, Universitas Bengkulu. ORCID: 0000-0002-1709-1987. Email: ssumarsih282@gmail.com

<sup>3</sup>Department of Educational Administration, Faculty of Training and Teacher Education, Universitas Bengkulu. ORCID: 0000-0001-8927-8153. Email: astipartiwi@outlook.com

<sup>4</sup>Program of Community Education, Faculty of Teacher Training and Education, Universitas Siliwangi. ORCID: 0000-0001-6304-3137. Email: liliskarwati@gmail.com  
Corresponding author: Manap Somantri

## Abstract

While there are more subtle functional contrasts between current cell phones and exemplary PCs, one distinction is still there: cells are almost consistently with you and allow you to interface with different administrations and organizations at practically anytime and anyplace. Present day young people, who are oftentimes alluded to be "advanced locals" or "Homo Zappiens" because of their ability to all the while interaction different enlightening channels, are being depicted as evolving. All in all, advanced youngsters are multitaskers. Undergraduates and postgraduates are supposedly the quickest adopters of wireless innovation, as per the reports taken in Indonesian Colleges and Universities. Moreover, new information recommends that incessant utilization of mobile phones might adversely affect youngsters' wellbeing and conduct. In this way, utilizing an enormous example of undergraduate and postgraduate students in Indonesia (N = 298) and messaging (N = 298), we investigated the impacts of mobile phone use overall (N = 298) and messaging (N = 298). It was anticipated that nervousness and Scholastic Execution (GPA) would go about as go between in the relationship. Two distinct way models showed that the messaging and mobile phone use models fit the information well in general. Thusly, GPA was well associated with SWL while tension was antagonistically connected with SWL. PDA use and messaging were adversely connected with GPA and emphatically connected with uneasiness. These outcomes add to the conversation around the utilization of phones by undergraduates and postgraduates and how this utilization might adversely affect learning, emotional wellness, and abstract prosperity or joy.

**Keywords:** Mobile phone, Facebook, Academic performances, GPA, Anxiety

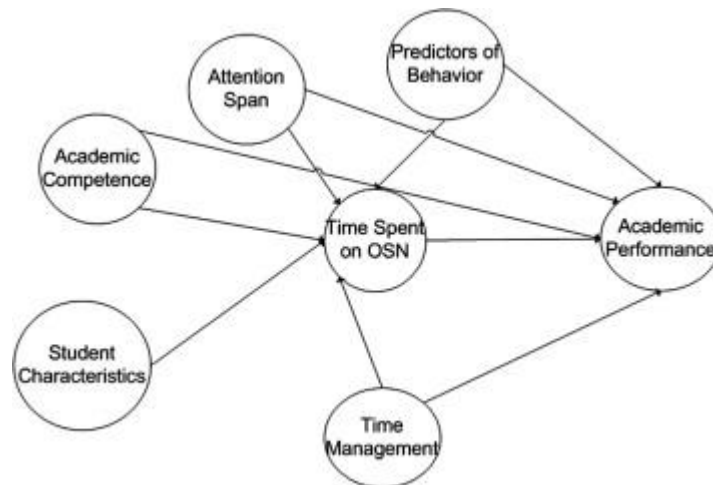
## 1. INTRODUCTION

Consistently, we read about it in the papers, we catch wind of it on the news, and presently, on account of our Truly Straightforward Partnership (RSS) channels, we can get to it online whenever. The report about the present kids, who are entitled, appreciate extravagance, have unfortunate habits, scorn for power, affront their elderly folks, ignore their folks, and abuse instructors, is the "it" at this moment. Also, that what we view as intelligence is really idiocy to them. The main

pressing concern with the previously mentioned is that Socrates offered the primary expression at some point around 300 BCE, while Peter the Recluse, a notable individual in the Principal Campaign who died on July 8, 1115, at Neufmoutier by Huy, Belgium, offered the subsequent expression.

Glancing through the plenty of scholarly book shops, logical magazines, and sites has us with the inescapable impression that the present age of children is altogether different from past ages. Age X, the MTV age, Net Age, Millennials, Age Y/iGeneration, and even Age Z appear to have been delivered by Gen X-ers (Howe and Strauss, 2000; Prenksy, 2001; Rosen, 2007). Rosen portrayed these children as follows at a new meeting of the Western Mental Affiliation:

Welcome to Modern times. Brought into the world during the 1980s and 1990s, they go through their days consuming diversion, correspondence, and all types of electronic media while working a regular work and extra time. They are masters of performing various tasks, dynamic via web-based entertainment, capable in electronic correspondence, and speedy to take on new advances. They grew up around innovation, and they keep on extending their electronic toolbox as time passes. They make companions online through interpersonal organizations like Facebook, MySpace, and Second Life; they message as opposed to chat on the telephone; they tweet the entire evening; and they regularly nod off with their cells vibrating by their sides.



**Figure 1: Effects of online social networking on academic performance**

The idea is that these kids have learned certain new multitasking skills that they may use in a classroom context, and that traditional schooling is upsetting them when they try to use those talents. Unfortunately, the majority of empirical research demonstrates that this is not the case, concluding either that children lack these skills or that acting in this way has a detrimental effect on how information is processed. This essay addresses these two prevalent modern "truths" before presenting the findings of a preliminary investigation into the possible connection between Facebook (FB) and academic achievement.

The differentiation between present day cell phones (consequently alluded to as cells) and regular thoughts of the PC is dissolving. Cells perform a considerable lot of similar exercises as a Web associated PC regarding usefulness. Thus, clients of the present cells approach an extensive variety of programming driven applications, as well as the capacity to call, message, email, video meeting,

microblog, communicate on informal organizations, peruse the Web, watch and offer recordings and pictures, play computer games, and peruse the Web. Contrary to how computers are typically thought of, a cell phone's mobility makes it possible to access these services practically anywhere and at any time. Given that practically everyone has access to a cell phone and its expanding range of applications, it is important to think about how those factors may affect users' attitudes, behaviours, and outcomes. It's possible that using a cell phone (CPUse) has effects on human behaviour that go beyond communication.

For example, a new report by our group showed that among an example of normal undergrads, CPUse was unfavourably corresponded with a goal proportion of actual wellness (VO<sub>2</sub>peak). Thusly, high cell phone clients were less in great shape than low clients. As indicated by interview information accumulated as a feature of the review, CPUse modifies actual work conduct, driving high recurrence clients to be less truly dynamic and more inactive than low recurrence clients, which makes sense of the negative affiliation. Unpublished meeting information accumulated as a feature of a similar report likewise uncovered that CPUse might influence scholastic execution and uneasiness in undergrads. At the point when people were approached to give particulars of their CPUse, a few said it occurred during class or while they were contemplating. One member said, "I ordinarily go on my telephone in the event that I'm exhausted staying there in class," for instance. Or on the other hand I'll take little Twitter breaks while tackling my tasks. Also, a few groups who were approached to portray their involvement in CPUse said that it is associated with feelings of stress. One more member said, for example, "The interpersonal organization simply causes me to feel somewhat appended to my telephone every so often." It gives me the feeling that I have one more obligation to make in my life. Here and there having a mobile phone cause, me to feel like I have an entirely different arrangement of obligations since anybody can reach me whenever by basically considering me. You know, if my mom needed to call me at the present time and have a little discussion, she could. Furthermore, she would stress on the off chance that I didn't get back to her before the days over. It causes some nervousness and may be somewhat vexatious now and again.

### **1.1 Objective of the study**

1. How student academic performance is impacted by social media networking
2. The study's main hypothesis is that these kids have learned specific new multitasking techniques that they can use in a classroom context, but that traditional schooling frustrates them when they try to put those techniques to use.
3. We looked into the effects of texting and overall cell phone use on college students' satisfaction with life (SWL).

### **1.2 Significance of the study**

This study is significant because it reveals how these children have developed new multitasking abilities that they might employ in a classroom setting and how traditional schooling frustrates them when they try to use those skills. The lion's share of observational review, nonetheless, shows that this isn't true, arriving at the resolution that either kid misses the mark on capacities or that acting thusly adversely influences how data is gotten. Prior to giving the consequences of a starter investigation into the possible connection between Facebook (FB) and scholastic accomplishment,

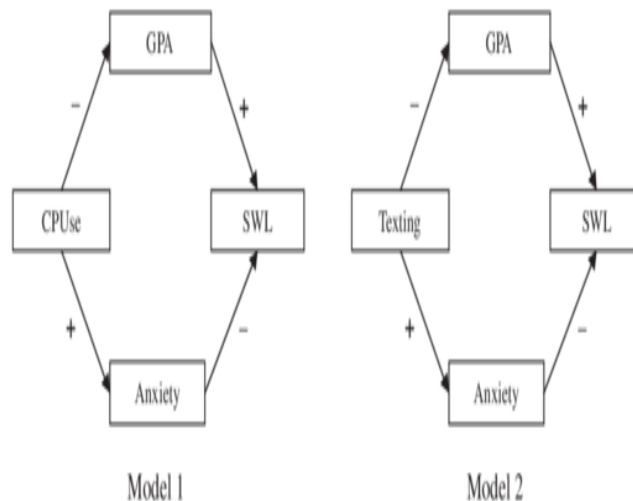
this exposition examines these two unavoidable currents "insights." as far as usefulness, a cell is like a Web associated PC in numerous ways. The present phone clients can thusly get to an assortment of programming driven applications, as well as settle on decisions, send messages, messages, video meetings, and microblog, partake on informal communities, surf the Web, watch and offer movies and photos, play computer games, and that's just the beginning. The transportability of a PDA, rather than how PCs are generally considered, makes it possible to get to these administrations anyplace and whenever.

### 1.3 Research Question and Hypothesis

There is motivation to trust that CPUse, scholastic execution, uneasiness, and fulfilment with life might be associated considering the accessible examination as well as the unpublished meeting information revealed in the kick-off of this work. What's more, there is a need to consider use other than calling and messaging, for example, the Web and programming-based applications because of the phone's creating capacities. The two primary exploration questions (RQs) were as per the following: (1) what is the connection between absolute wireless use (CPUse), scholastic execution (genuine GPA), tension, and fulfilment with life (SWL)? And (2) what is the connection between messaging, scholarly execution (real GPA), uneasiness, and fulfilment with life (SWL). The resulting speculations (H1 = RQ 1 and H1 = RQ 2; see below) was as a result Figure 2:

**(RQ 1 – H1).** GPA and CPUse will be inversely correlated, while anxiety and CPUse will be positively correlated. GPA and SWL will be favourably correlated, but anxiety and SWL will be adversely correlated.

**(RQ 2 - H1).** The GPA will be negatively impacted by texting, but anxiety will be positively impacted. Anxiety will be adversely correlated with SWL, while GPA will be positively correlated with SWL.



**Figure 2: Path analysis, which analyses numerous multiple regression equations simultaneously utilising observed variables, is a proposed conceptual framework (i.e., denoted by the rectangles in the figure). The signals show how the variables are thought to be related to one another.**

## **2. LITRERATURE REVIEW**

### **2.1 Multitasking**

The simultaneous performance of two or more processing tasks at once is known as multitasking. Numerous people have thought one or both of the following when they observe kids doing this: (1) They can multitask effectively, and/or (2) they can do so without suffering any efficiency or effectiveness losses. This idea is sometimes accompanied by claims that this is different from what ancestors could achieve and that their brains specifically evolved to enable this. In the first place, people are just really fit for exchanging quickly starting with one movement then onto the next, not completely performing multiple tasks (Kirschner, Sweller, and Clark, 2006; Sweller, Kirschner, and Clark, 2007). In reality, we can perform various tasks while believing isn't involved and the work is motorized (i.e., when constructions have been computerized) (e.g., biting gum, strolling, and talking simultaneously; however even this occasionally prompts strolling into streetlights or tumbling off checks).

Individuals in some cases suggest that the ongoing age has, through reiteration, sharpened the ability to switch quick between different errands or media. Sadly, this doesn't suggest that doing so or learning thusly is profitable to them or gainful. It has been very much exhibited that such fast errand exchanging conduct makes undergraduates and postgraduates learn less and tackle assignments more terrible when contrasted with performing exercises consecutively. This is principally in light of the fact that exchanging requires an individual to shuffle her or his restricted mental assets to follow through with the different jobs effectively, which brings about more noteworthy shortcoming in finishing every individual job, in particular that more slip-ups are made, and it takes essentially longer when contrasted with consecutive work.

A youngster will perform less successfully than she would on the off chance that she zeroed in on variable based math until she was through while attempting to have a conversation on an email visit line. Albeit certain individuals could deviate, it is a legend. You will never, ever be able to get beyond the brain's built-in restrictions on how much information it can handle while multitasking with such difficult activities.

### **2.2 Homo Zappiens**

In order to describe the new generation of learners who, in his opinion, study significantly differently than their predecessors, Wim Veen authored the name "Homo Zappiens." The meta-intellectual abilities expected for demand-based learning, exposure-based learning, organized learning, experiential learning, agreeable learning, dynamic learning, self-affiliation and self-rule, decisive reasoning, and making their own certain (i.e., inferred) and express data clear cut for others are made by posterity of this age in isolation and without direction, as shown by Veen and Vrakking (2006). Furthermore, Beastall (2008) noted that the relationship that the present generation of kids and teenagers have with technology is one that is established from infancy. They are accustomed to and rely on information and communication technology (ICT), as highlighted by Prenksy (2001), who described them as having lives "surrounded by and using computers, videogames, digital music players, video cameras, cell phones, and all the other toys and tools of the digital age". Because of their continuous relationship with innovation, he fights that the present youth have an inherent mechanical inclination that may be characterized as

performing multiple tasks (i.e., equal handling capabilities; Prensky, 2003). Because of their involvement in innovation, even exceptionally small kids are acquiring performing multiple tasks abilities that assist them with exploring new spatial regions as well as recognize and alter visual portrayals. Prensky (2003) attests that by and large; openness to innovation can give small kids insight with how sounds, visuals, and messages communicate, which might be fundamental for progress in early learning and general improvement in this advanced age.

### **2.3 Use of mobile devices, academic achievement, and anxiety**

Research on CPUse and scholarly execution is restricted, and study to concentrate on contrasts significantly in approach. Results, be that as it may, suggest a connection exists. The utilization of various electronic media, including cell phones (calling and informing), and academic achievement (self-point by point GPA) among first-year school students in quite a while were seen as unfavourably related by Jacobsen and Forste (2011). Yen et al. (2009) tracked down an association between CPUse (calling and informing) and individuals' self-assessment of whether they had allowed CPUse to block "critical social, educational, or wearing activities" during the prior year using data collected from an illustration of Taiwanese young people. An example of female Taiwanese college undergraduates and postgraduates showed an everyday CPUse (calling and messaging) connection with a self-detailed proportion of scholarly trouble, as per Hong, Chiu, and Hong (2012). To wrap things up, Sánchez-Martnez and Otero (2009) found an association between "extraordinary" CPUse and scholarly disappointment utilizing an example of secondary school undergraduates and postgraduates. Disappointment in school was characterized as rehashing a grade level from the earlier year or bombing at least four courses during the first scholarly year. Scholarly execution was reliably and adversely connected with CPUse notwithstanding the way that these investigations utilized different self-revealed measurements (calling and messaging).

Different explores have recommended that performing various tasks is the reason for the negative relationship amongst CPUse and scholastic accomplishment (Jacobsen and Forste, 2011; Junco and Bunk ton, 2011, 2012; Rosen, Transporter, and Cheever, 2013; Wood et al., 2012). North of 66% of the college undergraduates and postgraduates in Jacobsen and Forste's review (2011) utilized electronic gadgets, including phones, while in class, doing schoolwork, or contemplating. Comparable discoveries were made by Sánchez-Martnez and Otero (2009), who found that notwithstanding CPUse being for the most part prohibited in homerooms, half of the undergraduates and postgraduates in their example owned up to carrying the gadget to school and utilizing it while in class. Huge examples of undergraduates and postgraduates were inspected in two examinations that zeroed in explicitly on performing multiple tasks and scholastic execution by Junco and Cotton, who found that sending messages and getting to Facebook while doing schoolwork or contemplating was a run of the mill practice. Moreover, this lead (2011) affected with homework and was averse to by and large school GPA (2012). Wood et al. (2012) surveyed the effect of performing various tasks on continuous getting the hang of utilizing different computerized stages (messaging, email, Facebook, and MSN informing). While participating in study hall learning exercises, members were arbitrarily allotted to various circumstances (performing multiple tasks with one of the four advances or no performing multiple tasks). The learning was assessed utilizing a 15-thing numerous decision test once the learning meetings were done. The discoveries proposed that performing multiple tasks while utilizing any of the innovations explored negatively affected learning. The review propensities for an example of

center school, secondary school, and college undergraduates and postgraduates were generally as of late concentrated by Rosen, Transporter, et al. (2013). They found that members as often as possible became occupied by media like Facebook and messaging in under 6 minutes subsequent to beginning a review meeting.

Moreover, assessments of everyday Facebook use and day to day messaging conduct anticipated off-task conduct across research periods. Outstandingly, a solitary, Web associated PDA is presently regularly used to get to all media-related advancements connected to expansions in performing various tasks and decreases in scholastic execution.

Research on CPUse and nervousness is additionally scant, much as that on CPUse and scholarly accomplishment. Moreover, nervousness scales vary between studies. Nonetheless, there is confirmation that there is a connection among CPUse and nervousness, particularly in individuals who are viewed as dangerous cell clients (Beranuy, Oberst, Carbonell, and Chamarro, 2009; Bianchi and Phillips, 2005; Ha, Jaw, Park, Ryu, and Yu, 2008; Jenaro, Flores, Gómez-Vela, González-Gil, and Caballo, 2007; Lu et al. A fixation like way of behaving that causes impulsive wireless use has been depicted as risky phone use (Takao, Takahashi, and Kitamura, 2009). It is hazy, however, whether the relationship among CPUse and tension exists separated from unsafe lead. For example, a recent report by Hong et al. distinguished a connection between day-to-day CPUse (calls and messages) and uneasiness, yet further examination uncovered that the association was interceded by wireless fixation. When seen by and large, these examinations uncover areas of strength for among tension and issues CPUse. As indicated by Merlo's (2008) research, even easy-going wireless clients may incidentally feel restless because of a feeling of obligation to remain constantly associated. Rosen, Transporter et al. (2013) and Rosen, Whaling, Rab, Transporter, and Cheever (2013) inspected nervousness related to innovation use among a sizable example of teenagers, youthful grown-ups, and grown-ups to help this theory. As per their discoveries, feeling restless was connected to not having the option to utilize innovation as regularly as wanted, particularly Facebook, instant messages, and mobile phone discussions. Moreover, the utilization of innovation and uneasiness related to it were indicators of character and mind-set issues.

Development of Internet technology and social media usage among the students increasingly modern and sophisticated not only benefit users but also have an effect that is not good for users, especially among students, from a study of 120 students sampled in Indonesia, Internet usage will become addicted and more likely to cause negative and less support in learning activities (Puspita, R. H., & Rohedi, D. (2018).

## **2.4 Academic achievement, worry, and Life Satisfaction**

As far as anyone is concerned, very little, if any, study has analyzed the possible connection among CPUse and signs of emotional prosperity like one's degree of life fulfilment, regardless of the idea of such a connection in a discourse distributed (Spiegelman and Detsky, 2008). Without a doubt, a great deal of wireless promoting is predicated on the possibility that CPUse works on emotional bliss or prosperity. Nonetheless, in the event that CPUse is emphatically related with tension and unfavourably corresponded with scholastic achievement, it might in a roundabout way affect life fulfilment. "Life fulfilment alludes to a passing judgment on process where people rate the nature of their lives in light of their own extraordinary arrangement of models," compose Shin and Johnson in their underlying definition from 1978 (Pavot and Diener, 1993). The "Fulfilment with



Life Scale," made by Diener, Emmons, Larsen, and Griffin, is the most ordinarily utilized sign of life fulfilment (1985). It has been applied in a few helpful settings and many examinations since its presentation. The scale gives off an impression of being prescient of an assortment of life results, including physical and emotional well-being, life expectancy, conjugal satisfaction, more grounded social ties, diminished hazard of self-destruction, and liquor and illicit drug use, as per two careful evaluations of its viability by Pavot and Diener (1993, 2008). Research additionally uncovers that assessments of life fulfilment are affected by progress or disappointment in huge life spaces, which carries us to the primary concern of the current review. Scholastic accomplishment is a pivotal life space for college undergraduates and postgraduates that impact evaluations of life fulfilment (Pavot and Diener, 2008). Also, proof uncovers that among non-clinical populaces, for example, undergrads, proportions of negative influence like misery and nervousness are adversely associated with life fulfilment (Pavot and Diener, 1993).

## **2. METHODOLOGIES**

### **3.1. Participants and methods**

Members were undergrad undergraduates and postgraduates from a sizable state funded colleges and universities in Indonesia. Scholarly execution was a critical calculates this review, and the scientists utilized the people's genuine, combined school Grade Direct Normal toward measure it impartially (GPA). Individuals searched for attestation that data arrangement, amassing, and declaring would guarantee protection and mystery since they are sensitive data and securing them anticipates that permission should individuals' actual insightful records. Accordingly, students were picked for the survey during class time from courses that routinely select students with a collection of undergrad majors. Introduction to Sociology, General Science, Indonesian issues, Human Sustenance, and World History are examples of significant courses. Subsequently, the vital examiners (PIs) went to different homerooms nearby and gave each of the undergraduates and postgraduates present a clarification of the review methods. The PIs addressed questions, tended to worries, and ensured that members wanting to take an interest read, understood, and marked the educated assent structure as of now. Following this, all undergraduates and postgraduates who consented to take part were given an overview to finish in class. Undergraduates and postgraduates' college email addresses, which were subsequently used to get to their scholastic records, were given on the overview by the members. Undergraduates and postgraduates were not permitted to partake in the review on the off chance that they didn't give their arrangement for their GPA to be recovered. 300 college undergraduate and postgraduate students (n =172 females, n=128 males) took part in the review utilizing this technique.

### **3.2. Measures**

Despite the fact that there were seven unique areas of the review, just four were utilized for this review: segment information, the Fulfilment with Life Scale, the Beck Nervousness Innovator, and inquiries concerning phone and messaging use (Lepp et al., 2013). Furthermore, every member's genuinely aggregate GPA, which was obtained through confirmed college records, was utilized to survey scholastic execution.

Section data included demands about sex, age, and school year. The SWLS consolidates five things concerning general life satisfaction (i.e., close to home flourishing) that are assessed on a 7-point Likert scale, with 1 being the most grounded struggle and 7 being the most grounded grasping (Reach = 7-34). A score of 20 tends to the neutral point on the scale (i.e., being correspondingly satisfied and disheartened), and better calibres surmise more life satisfaction. The SWLS has staggering inside consistency (Coefficient Alpha = .87) and incredible test-retest faithful quality ( $r = .81$ ; Diener et al., 2010), as shown by prior assessments. Different more investigation have shown for all intents and purposes indistinguishable psychometric features (e.g., Alfonso, Allison, Rader, and Gorman, 2011; Yardley and Rice, 2012). The school students in this review's illustration of the SWLS moreover performed well (Coefficient Alpha = .87,  $N = 54$ ).

These inquiries permit members to rate their degree of distress with a progression of regular uneasiness side effects on a 4-point Likert scale going from "Not By any stretch of the imagination" (Coded 0) to "Harshly" (Coded 3; Territory = 0-63). Coming up next are instances of delegate things: "Unfit to unwind," "Apprehension about most terrible occurring," "Heart beating/dashing," and "Feeling uncomfortable." Values 30 to 63 demonstrate serious uneasiness, with higher scores recommending higher levels of nervousness. As indicated by before review, the BAI has great test-retest unwavering quality ( $r = .75$ ; Beck et al., 2001) and solid interior consistency (Coefficient Alpha = .92). The BAI has exhibited legitimacy as an instrument for estimating tension among college undergraduates and postgraduates. The action likewise performed well with the undergrad members in this review (Coefficient Alpha = .87,  $N = 300$ ).

### **3.3 Data analysis**

Measurable Bundle for the Sociologies (SPSS) for Windows Rendition 18.0 was utilized to investigate the segment information utilizing unmistakable insights. Before the way examination, Pearson connections between the vital factors of interest were likewise checked, and Multivariate Investigation of Changes (MANOVA) were finished to figure out what sex means for GPA, tension, and SWL as well as how sex cooperates with CPUse/messaging. LISREL 8.80 Release was utilized for the way examinations (i.e., the essential RQs). To have satisfactory power, the example size ought to be somewhere around 200 and multiple times (or in a perfect world multiple times) however many cases as boundaries.

## **4. RESULTS AND DISCUSSION**

### **4.1. Correlations, descriptive statistics, and assumption testing**

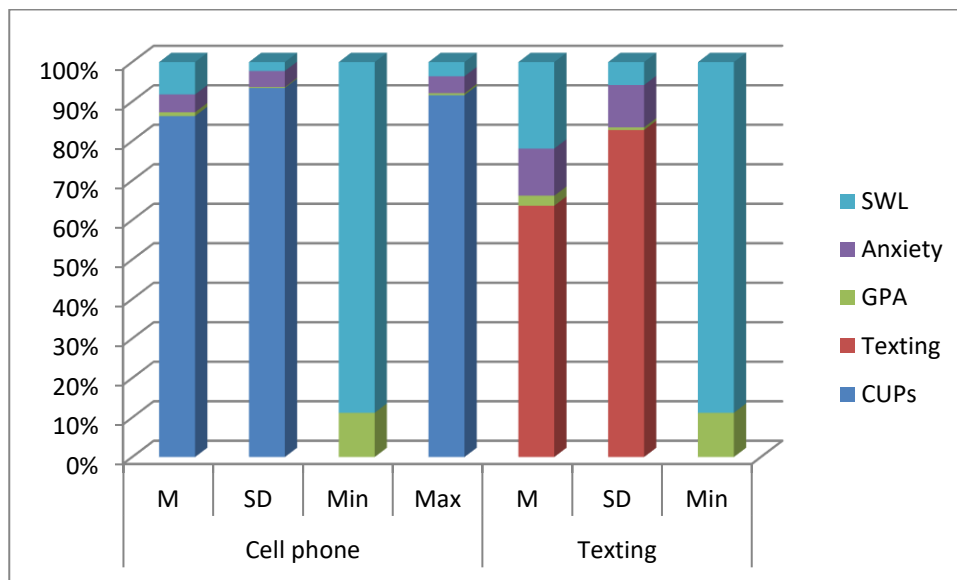
The essential factors (i.e., CPUse, Messaging, GPA, tension, and SWL) were analysed for anomalies ( $z 2.58$ ) before attempted any enlightening or inferential insights. Exceptions were taken a gander at in every one of the two informational indexes that were delivered from the expert informational index ( $N = 300$ ): the cell phone informational collection and the messaging informational index. A sum of 2 ( $N = 298$ ) and 2 ( $N = 298$ ) cases were wiped out from the cell phone informational collection and the messaging informational index, separately. The typical age in the cell phone information assortment ( $M = 10.25$ ,  $SD = 1.39$ ), and the messaging informational index ( $M = 10.25$ ,  $SD = 1.39$ ), was almost something very similar. Most of respondents in the mobile phone and messaging informational collections ( $n = 148$  and  $n = 148$ , separately) were ladies. An unassuming

number of dubious majors made up the example of 82 unique self-revealed majors. The quantity of members in each class was generally practically identical in the two informational collections: Rookies (n = 62 and n = 51), sophomores (n = 65 for both), youngsters (n = 63 for both), and seniors (n = 58 and n = 59).

**Table 1: Descriptive statistics for the key variables in the texting (N = 298) and mobile phone (N = 298) data sets.**

Variables	Cell phone				Texting			
	M	SD	Min	Max	M	SD	Min	Max
<b>CUPs</b>	128.52	109	0	456				
<b>Texting</b>					37.2	36.25	0	287
<b>GPA</b>	1.89	0.3	0.42	2	1.52	0.3	0.32	2
<b>Anxiety</b>	6.9	4.1	0	21	6.9	4.1	0	21
<b>SWL</b>	12.32	2.10	7	16	12.32	2.10	7	16

Table 1 displays descriptive statistics for each of the significant variables. Students reported using their cell phones for 128.52 (SD = 109.0) minutes daily on average and sent 37.2 (SD = 36.25) text messages daily. The two informational indexes' mean GPAs were simply above 3.00 (SD = .3). Midpoints for the two informational collections likewise show more noteworthy degrees of life fulfilment (Reach = 26-30; Diener et al., 1985) and gentle uneasiness levels (Reach = 8-15; Beck et al., 1988). The zero-request Pearson relationships between's the factors for the two informational collections are displayed in Tables 2 and 3 (i.e., CPUse and Messaging). The key variable-specified relationships were in the anticipated heading and genuinely huge (p .05).



**Figure 3: Graphical representation of Table 1**

**Table 2: Descriptive statistics for the key variables in the texting (N = 298) and mobile phone (N = 298) data sets.**

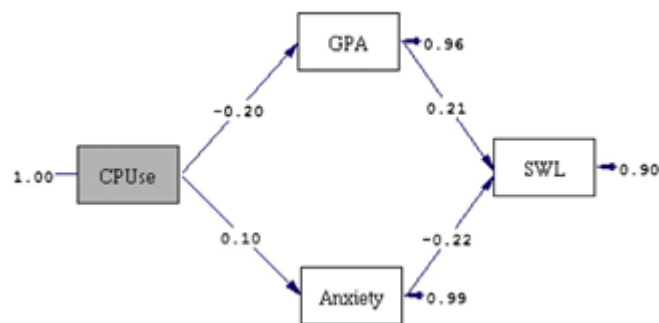
Variable	1	2	3	4
1. CPUs		-0.104	0.047	0.006
2. GPA			0.003	0.108
3. Anxiety				-0.102
4. SWL				

**Table 3: For research question 2 (N = 298), the variables' Pearson correlations.**

Variable	1	2	3	4
1. CPUs		-0.043	0.044	-0.006
2. GPA			-0.005	0.11
3. Anxiety				-0.104
4. SWL				

#### 4.2 RQ 1: Path Analysis - Cell Phone Use

All courses were huge ( $p .05$ ) and headed in the anticipated bearing for the absolute CPUse model. The revealed way coefficients, otherwise called beta loads or standardized relapse coefficients can be utilized to think about the general significance of the model's different factors. The maximum standardised route coefficient from anxiety to SWL was.22, as can be observed in Fig. 4. Both the relative impact of GPA on SWL and the relative impact of CPUse on GPA had identical standardised path coefficients of.21 and.20. In addition, anxiety and GPA can account for 9.58% of the variation in SWL.



**Figure 4: Model for a cell phone using standardised coefficients.**

The  $\chi^2$  worldwide fit file was not critical ( $\chi^2 = 3.57$ ,  $DF = 2$ ,  $p = .168$ ), demonstrating that there is no contrast between the example information and the hypothetical model. A proportion of generally speaking fit at the time was the root-mean-square mistake of estimate (RMSEA), which was .04. Values of .05 or less is viewed as satisfactory (Schumacker and Lomax, 2010). The normalized root-mean-square leftover (SRMR), which was 0.03, was equivalent to the RMSEA. Thus, this model fit record moreover shows a great fit. Eventually, the changed integrity of-fit list (AGFI) was .99 and the decency of-fit record (GFI) was 1.00. Values of .95 or higher are viewed as satisfactory and mirror a solid match. In general, all model fit files highlight a magnificent fit, and no progressions were suggested for following models.

#### 4.3 RQ 2: Path Analysis - Texting

Once more, all courses for the messaging model were critical in the model ( $p < .05$ ) and headed down the anticipated path. The most grounded normalized way coefficients from tension to SWL and from GPA to SWL were .21 and .21, individually (see Fig. 5). Furthermore, nervousness and GPA can represent 8.60% of the variety in SWL. ( $\chi^2 = .46$ ,  $DF = 2$ ,  $p = .794$ ) The  $\chi^2$  worldwide fit record was not critical. The GFI and AGFI were both 1.00, the SRMR was .01, and the RMSEA was 0. All fit records highlight a palatable fit, like the cell phone model, and no progressions for different models were supported.

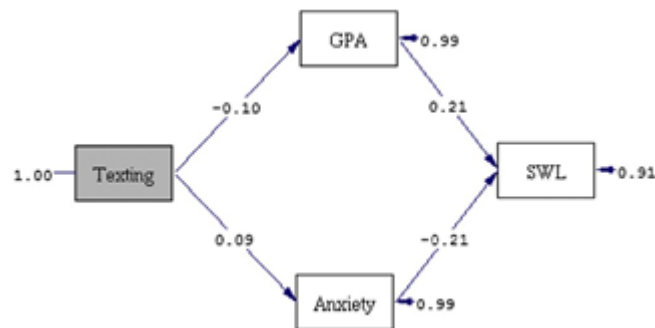


Figure 5: Model for texting that uses standardised coefficients.

## 5. CONCLUSION

This study's objective was to decide how two proportions of CPUse — all out CPUse and messaging influence scholastic execution (GPA), tension, and, at last, life fulfilment (SWL). The results showed that two hypothetically comparable models utilizing both CPUse estimations threw a tantrum. CPUse had a negative relationship with GPA and a positive connection with nervousness in the two models. Then, at that point, despite the fact that tension was contrarily connected with SWL, GPA was decidedly related with SWL. Regardless of the restrictions of causal induction, these models tracked down a negative relationship among are CPUse and SWL (emotional prosperity or joy). Through GPA and nervousness, the connection among CPUse and SWL was regulated. Hence, in contrast with their partners who utilized the wireless less every now and again, high recurrence cell clients in the populace researched would in general have lower GPAs, more elevated levels of uneasiness, and less fortunate degrees of fulfilment with life.

There are limitations to consider. Specifically, the example was restricted to college undergraduate and postgraduate studies going to a solitary, sizable state funded colleges and universities in Indonesia. Notwithstanding proof recommending cells are a huge piece of this age's way of life and personality and that undergraduates and postgraduates in Indonesia use them comparatively (Sumaryanti et al., 2020), it is difficult to extrapolate these findings to other populations. Therefore, college students from a variety of academic institutions and regions should be included in future study. Additionally, because CPUse is becoming more prevalent in demographics like high school and junior high school kids, the links found in this study should be looked into in younger pupils. Finally, non-student populations from a range of ethnic backgrounds and socioeconomic levels should be researched to determine the link between CPUse, anxiety, and SWL.

Be that as it may, this exploration has critical reasonable ramifications, eminently for heads in advanced education, grounds wellbeing staff, educators, and undergraduates and postgraduates. Cautiously taking into account approaches encompassing the appropriate utilization of PDAs in instructive settings is essential. There is mounting proof connecting cell use among undergrads to unfortunate scholastic execution as well as poor mental and actual wellbeing.

### **Declaration of Conflicts of Interests**

Authors declare that they have no conflict of interest.

### **Data Availability Statement**

The database generated and /or analysed during the current study are not publicly available due to privacy, but are available from the corresponding author on reasonable request.

### **References**

- Alfonso, V. C., Allison, D. B., Rader, D. E., & Gorman, B. S. (2011). The extended Satisfaction with Life Scale: Development and psychometric properties. *Social Indicators Research*, 38(3), 275-301. <https://doi.org/10.1007/BF00292049>
- Beastall, L. (2008). Enchanting a disenchanting child: Revolutionizing the means of education using information and communication technology and e-learning. *British Journal of Sociology of Education*, 27(1), 97-110. <https://doi.org/10.1080/01425690500376758>
- Beranuy, M., Oberst, U., Carbonell, X., & Chamarro, A. (2009). Problematic Internet and mobile phone use and clinical symptoms in college students: The role of emotional intelligence. *Computers in Human Behavior*, 25, 1182-1187. <https://doi.org/10.1016/j.chb.2009.03.001>
- Bianchi, A., & Phillips, J. G. (2005). Psychological predictors of problem mobile phone use. *CyberPsychology & Behavior*, 8, 39-51. <https://doi.org/10.1089/cpb.2005.8.39>
- Beck, A. T., Epstein, N., Brown, G., & Steer, R. A. (2001). An inventory for measuring clinical anxiety: Psychometric properties. *Journal of Consulting and Clinical Psychology*, 56, 893-897. <https://doi.org/10.1037/0022-006X.56.6.893>
- Diener, E., Emmons, R., Larsen, J., & Griffin, S. (2010). The Satisfaction with Life Scale. *Personality Assessment*, 49(1), 71-75. [https://doi.org/10.1207/s15327752jpa4901\\_13](https://doi.org/10.1207/s15327752jpa4901_13)

- Howe, N., & Strauss, W. (2000). *Millennials rising: The next generations*. New York: Vintage Books.
- Hong, F. Y., Chiu, S. I., & Hong, D. H. (2012). A model of the relationship between psychological characteristics, mobile phone addiction and use of mobile phones by Taiwanese university female students. *Computers in Human Behavior*, 28, 2152-2159. <https://doi.org/10.1016/j.chb.2012.06.020>
- Jacobsen, W. C., & Forste, R. (2011). The wired generation: Academic and social outcomes of electronic media use among university students. *Cyberpsychology, Behavior, and Social Networking*, 14(5), 275-280. <https://doi.org/10.1089/cyber.2010.0135>
- Junco, R., & Cotton, S. R. (2012). No A 4 U: The relationship between multitasking and academic performance. *Computers & Education*, 59, 505-514. <https://doi.org/10.1016/j.compedu.2011.12.023>
- Kirschner, P. A., Sweller, J., & Clark, R. E. (2006). Why minimal guidance during instruction does not work: An analysis of the failure of the constructivist, discovery, problem-base, experiential, and inquiry-based teaching. *Educational Psychologist*, 14(2), 75-86. [https://doi.org/10.1207/s15326985ep4102\\_1](https://doi.org/10.1207/s15326985ep4102_1)
- Merlo, L. (2008). Increased cell phone use may heighten symptoms of anxiety. *Primary Psychiatry*, 15(5), 27-28.
- Oblinger, D., & Oblinger, J. (2005). Is it age or IT: First steps towards understanding the net generation. In D. Oblinger, & J. Oblinger (Eds.), *Educating the Net Generation* (pp. 2.1-2.20). Boulder, CO: EDUCAUSE. Available at <http://www.educause.edu/educatingthenetgen>
- Prenksy, M. (2001). Digital natives, digital immigrants. *On the Horizon*, 9(5), 1-6. <https://doi.org/10.1108/10748120110424816>
- Prensky, M. (2003). Digital game-based learning. *ACM Computers in Entertainment*, 1(1), 1-4. <https://doi.org/10.1145/950566.950596>
- Pavot, W., & Diener, E. (1993). Review of the Satisfaction with Life Scale. *Psychological Assessment*, 5(2), 164-172. <https://doi.org/10.1037/1040-3590.5.2.164>
- Pavot, W., & Diener, E. (2008). The Satisfaction with Life Scale and the emerging construct of life satisfaction. *The Journal of Positive Psychology*, 3(2), 137-152. <https://doi.org/10.1080/17439760701756946>
- Puspita, R. H., & Rohedi, D. (2018, February). The impact of internet use for students. In *IOP Conference Series: Materials Science and Engineering* (Vol. 306, No. 1, p. 012106). IOP Publishing.
- Rosen, L. D. (2007). *Me, MySpace, and I: Parenting the net generation*. New York: Palgrave Macmillan.
- Rosen, L. D., Carrier, M., & Cheever, N. A. (2013). Facebook and texting made me do it: Media-induced task-switching while studying. *Computers in Human Behavior*, 29, 948-958. <https://doi.org/10.1016/j.chb.2012.12.001>
- Rosen, L. D., Carrier, M., & Cheever, N. A. (2013). Facebook and texting made me do it: Media-induced task-switching while studying. *Computers in Human Behavior*, 29, 948-958. <https://doi.org/10.1016/j.chb.2012.12.001>
- Sánchez-Martínez, M., & Otero, A. (2009). Factors associated with cell phone use in adolescents in the community of Madrid (Spain). *CyberPsychology & Behavior*, 12, 131-137. <https://doi.org/10.1089/cpb.2008.0164>
- Sumaryanti, I. U., Azizah, S., Diantina, F. P., & Nawangsih, E. (2020, March). Personality and social media addiction among college students. In *2nd Social and Humaniora Research Symposium (SoRes 2019)* (pp. 376-379). Atlantis Press.

- Sweller, J., Kirschner, P. A., & Clark, R. E. (2007). Why minimal guidance during instruction does not work: A reply to commentaries. *Educational Psychologist*, 47(1), 115-121. <https://doi.org/10.1080/00461520701263426>
- Spiegelman, J., & Detsky, A. S. (2008). Instant mobile communication, efficiency, and quality of life. *JAMA*, 299(10), 1179-1181. <https://doi.org/10.1001/jama.299.10.1179>
- Veen, W., & Vrakking, B. (2006). *Homo Zappiens: Growing up in a digital age*. London: Network Continuum Education.
- Wood, E., Zivcakova, L., Gentile, P., Archer, K., De Pasquale, D., & Nosko, A. (2012). Examining the impact of off-task multi-tasking with technology on real-time classroom learning. *Computers & Education*, 58, 365-374. <https://doi.org/10.1016/j.compedu.2011.08.029>
- Yen, C., Tang, T., Yen, J., Lin, H., Huang, C., & Liu, S. (2009). Symptoms of problematic cellular phone use, functional impairment and its association with depression among adolescents in Southern Taiwan. *Journal of Adolescence*, 32, 863-873. <https://doi.org/10.1016/j.adolescence.2008.10.006>
- Yardley, J. K., & Rice, R. W. (2012). The relationship between mood and subjective well-being. *Social Indicators Research*, 24, 101-111. <https://doi.org/10.1007/BF00292653>