

The Relationship between Music Teacher Candidates' Academic and General Procrastination Tendencies and Test Anxiety

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Abstract

The purpose of this research was to examine the relationship among the general, academic procrastination behavior of music teacher candidates, attitudes of test anxieties in terms of gender, grade levels and weekly study hours. The study was designed as relational correlational survey method. The sample of the study consisted of totally 73 teacher candidates who attended to 1st and 4th grades of Music Education Department in Education Faculty of Adnan Menderes University during the fall semester of 2016-2017 academic year. In the study, three kinds of data collecting instruments were used: General Procrastination Scale which was developed by Lay (1986) and The Turkish reliability and reality studies were done by Balkis (2003), Academic Procrastination Scale which was developed by akıcı (2003) and Westside Examination Anxiety Scale which was developed by Driscoll (2009) and Turkish validity and reliability studies were conducted by Totan & Yavuz (2009). Results showed that men had more academic procrastination and lower test anxiety scores than women. Seniors were more likely to display both general and academic procrastination behaviours than freshmen. Significant and moderate positive correlations were found between academic procrastination and general procrastination tendencies ($r=.50$, $p<.05$); and also between academic procrastination and test anxiety ($r=.56$, $p<.05$). General procrastination tendency and test anxiety together predicted nearly half (45%) of academic procrastination tendency.

Keywords: general procrastination, academic procrastination, music teacher candidates, test anxiety

1. Introduction

1.1 Introduce the Problem

The contents of academic scientific research in education and art show that studies have recently focused on affective dimension in general. The reasons for this trend might have arose from the emphasis made on behaviour change in the definition of education, the changes in understanding of learning and teaching, the desired student competencies, and the everyday living conditions. The increase in academic achievement both in terms of quality and quantity is desirable in education. However, learning may not always take place in the desired form. This may be related to several reasons: the readiness level of the learner may not conform to the topic to be learned, the teacher may not be knowledgeable in topics and teaching methods; learner may be reluctant and may not fulfill his / her duties. When the assigned tasks are not fulfilled, disruptions in the process of learning are inevitable. Learning procrastination is a reason for such disruptions in the program.

Learning procrastination is "postponing to fulfill a task, to take responsibility or to make a decision" (Kanchal, Hansen and Nutter, 2001 as cited in Akar, 2016: 115) and involves delaying responsibilities, decisions, or tasks that need to be done (Haycock McCarthy & Skay, 1988: 317). Although the behaviour of procrastination initially gives a temporary feeling of comfort, after a while it creates negative feelings and thoughts, and causes feelings of anxiety, stress, failure and regret (Deniz, Traş & Aydoğan, 2009: 610) so as time goes on it affects someone's performance negatively and directly violates his productivity.

As a type of procrastination, academic procrastination is typically defined as an irrational tendency to delay in the beginning and/or completion of an academic task (Senecal et al., 2003). In other words, academic procrastination is

leaving homework, exam preparation, or perhaps a term paper that should be handed in at the end of the term to the very last minute (Saracaloğlu & Göktaş, 2016). Whatever its type, procrastination is not merely a deficit of study skills or time management, it involves complex interaction of behavioral, cognitive and affective components. Evaluation anxiety, difficulty in making decisions, rebellion against control, lack of assertion, fear of the consequences of success, perceived averseness of the task and perfectionistic standards about competency were defined as some possible reasons for procrastination behavior (Solomon & Rothblum, 1984: 503).

As it is stated that procrastination and academic procrastination are controversial issues, they are somewhat related to the fact that students do not have a study schedule and do not know how to become autonomous learners. If studying and learning processes are completed efficiently, the target can be reached easily. Indeed, the undesired behaviours or situations in education stem from student's lack of knowledge on what sort of a path he has to take in learning process. Therefore, the student may not feel the sense of achievement and therefore, he can develop negative attitudes about school and learning. As a result the academic procrastination behaviour reduces the quality of the education process and also affects exams that involve verbal or written feedback. When procrastinated academic work and duties are tried to be completed in the last moment, the test anxiety increases.

Test anxiety is expressed as a type of general anxiety and defined as a personal characteristic and variable (Spielberger & Vagg, 1995) and the research shows that it can have both positive and negative impact on academic achievement. Morgan (1981: 114) argues that high anxiety may negatively affect learning whereas low level of anxiety makes learning difficult. A moderate level of anxiety can have positive impact on the learning process (as cited in Gençdoğan, 2006: 154). Students with high test anxiety may experience difficulties in reading and answering the questions or in choosing the words and expressions when expressing their thoughts. They may also face challenges in expressing their emotions and thoughts. The test anxiety may also prevent them from revealing their real potentials, they may fail to make the right profession choices or this may even cause drop-outs. Since the students with anxiety have difficulties in expressing their cognitive skills, they can choose the occupations that do not require competition (Ergene, 1994, as cited in Yıldırım & Ergene, 2003: 226). Among the reasons for the test anxiety; there may be family and school-related reasons. Family related issues may include the discipline that creates a negative environment at home and negative attitudes of mothers and fathers about the issue, etc., whereas school related issues include a negative classroom atmosphere, an educational atmosphere based on academic performance only, and negative teacher behaviours (Öner, 1989, as cited in Erözkan, 2004: 15). All these affect the educational process and create an inefficient learning experience and test anxiety.

So far, we have defined the variables and focused on how they are related to each other. In the literature there have been many domestic and international studies investigating the reasons and relations of procrastination behavior in different settings for years (Solomon & Rothblum, 1984; Haycock et al., 1988; Onwuegbuzie, 2004; Balkıs, 2006). As one example related to this study for recent years, Küçük (2010) investigated the relationship between the test anxiety of music teachers, their achievement in instrument training and, self-esteem. The participants of the research were 66 music teacher candidates. The findings demonstrate that there is a significant relationship between test anxiety level and achievement in instrument training; and between test anxiety and self-esteem level. Özer & Topkaya (2011) investigated the relationship between academic procrastination and test anxiety. The participants were 109 undergraduate students; the age of the sample group ranged between 17 and 29; there were 61 female and 48 male students. The findings show that there were no significant differences in terms of gender and academic procrastination but it was found out that women have more text anxiety than men and a significant relationship was found between fear of failure and test anxiety. Akar (2016) investigated the relation between general procrastination and studying approach of prospective teachers of elementary education. Correlation analysis results showed that significant relationships between study approach subscales and general procrastination subscales were found and the deep study approach has been shown to significantly predict the efficient use of time and superficial study approach significantly predicts procrastination. Also the studies related to the affective (emotional) areas of academic procrastination show that there is a negative relationship between the procrastination and responsibility, achievement attitude, and GPA while a positive relationship exists between procrastination and, work avoidance, perfectionism and sense of accomplishment (van Eerde, 2003 & Steel 2007; as cited in Özer and Altun, 2011: 46).

1.2 The Importance of the Problem

Life-long learning is becoming an important aspect and skill of education faculties because teachers also have the social good responsibility of enlightening the society. Especially music education differs from other departments in the Education faculty because it has its own elective courses (instrument training and voice training etc.) in addition to general electives. The accomplishment in the field is based on master-apprentice relationship in the courses. Musical and technical improvement can only be achieved with a disciplined daily practice. Therefore, it is very important that students keep up with their daily practices on time in order not to postpone their performances. When the literature is reviewed, no research that directly focused on the variables of procrastination, academic procrastination, test anxiety together were found related to merely music education department students.

1.3 The Purpose of the Research

The overall purpose of this research is to investigate the relationship among music teachers' general and academic procrastination tendencies and behaviours and test anxiety.

The research seeks answer to following questions:

- 1) Do the general and academic procrastination tendencies, test anxiety of music teacher students significantly differ in terms of variables of gender?
- 2) Do the general and academic procrastination tendencies, test anxiety of music teacher students significantly differ in terms of grade levels?
- 3) Are the attitudes of general and academic procrastination tendencies, test anxiety of music teacher students significantly differ in terms of weekly study hours?
- 4) Are there any significant correlations among academic procrastination, general procrastination tendency and test anxiety variables?
- 5) When the general procrastination tendency, the attitudes of the test anxiety are taken together, do they significantly predict the music teacher students' tendency of the academic procrastination?

2. Methods

2.1 Research Design

The research is a descriptive study and employs a correlational survey model. Survey models are descriptive explaining a situation. Among these, correlational survey models aims to determine the degree of change or the degree of change between two or more variables (Karasar, 2005).

2.2 The Study Sample

The participants of this research are first-year and fourth-year 73 teacher candidates studying at Music Education department of Adnan Menderes University during 2016-2017 academic year. Since we were able to reach the entire research population, we did not use sampling. Accordingly, 43.8 % of participants were women (N=32) whereas %56,2 of participants were men(N=41). Likewise, %42,5 of the participants were freshmen (N=31) while %57,5 were seniors (N=42).

2.3 Data Collecting Instruments

The research employed three data collections as illustrated below:

Academic Procrastination Scale: We used academic procrastination scale developed by Çakıcı (2003) to identify academic procrastination behaviours of students. The scale consists of 19 items (12 negative and 7 positive items). The items predominantly measure academic tasks of students (studying, preparing projects, exams). It is a five-point Likert-type scale based on belief (for example, very untrue of me, slightly true of me, somewhat true of me, true of me, very true of me). Cronbach alpha reliability coefficient of the scale for this research was .92.

Procrastination Scale: Procrastination Scale was developed by Lay (1986) to measure the procrastination tendencies of students. The scale has only one dimension and 20 items. It is five-point Likert type scale. This scale has been adapted into Turkey by Balkis (2006). The Turkish adaptation has 15 items. The Cronbach alpha reliability coefficient of the scale for this research was .76.

West Side Test Anxiety Scale: This scale was developed by Driscoll (2009) and it was adapted into Turkish by Totan and Yavuz (2009). The scale has one dimension and 11 items. All the items are reverse coded. The high scores indicate that anxiety level is high whereas low scores mean that anxiety level is low. The scores of the scale ranges between 11 and 55. Cronbach alpha reliability coefficient of the scale for this research was .92.

Also personal information form was used to collect demographic information about gender, class level and weekly study hours variables.

2.4 Data Collecting Procedures

After the permissions were received from both the developers of the scales and the dean of the faculty, the researcher collected the data by herself in lesson hours by explaining the importance of the study to make the students give truthful response. The university students completed the scales approximately 10-15 minutes.

2.5 Data Analysis

Firstly normality tests were done to find out whether the data was normally distributed or not. As the results show that three variables (gender, grade levels and weekly study hours) of the data were not normally distributed, Mann Whitney

-U test was used to compare two independent groups (gender/year of study) and Kruskalwallis H test was used to compare more than two groups (weekly study hours). As the total scores were normally disturbed, Pearson correlation analysis was employed to explore the correlation among variables, and multiple regression analysis was performed to predict music teacher education students' academic procrastination in terms of procrastination tendency, test anxiety variables in total scores.

3. Results

3.1 Findings Regarding the First Sub-problem

The first sub-problem of the research is "Do the scores of general and academic procrastination of music teachers, test anxiety and, study and learning strategies show a significant difference according to gender?" The Mann Whitney-U test results for this sub-problem are presented below.

Table 1. Mann Whitney-U test results of general and academic procrastination, test anxiety scores in terms of gender variable

	Group	N	Mean Rank	Mean Sum	U	p
General Procrastination	Woman	32	30,94	990,00	462,000	,031*
	Man	41	41,73	1711,00		
Academic Procrastination	Woman	32	32,50	1040,00	512,000	,109
	Man	41	40,51	1661,00		
Test Anxiety	Woman	32	39,05	1249,50	590,500	,466
	Man	41	35,40	1451,50		

When the general and academic procrastination scores, Mann Whitney-U test results of test anxiety and, study and learning strategies in terms of gender are analysed, significant difference can be seen in general procrastination tendency of male students ($p = ,031$; $p < .05$) and in attitudes towards study and learning strategies of female students ($p = ,017$; $p < .05$). This result implies that male students are more likely to procrastinate and female students have positive attitudes towards the use of study and learning strategies. Although it is not statistically significant, it can be argued on the basis of mean scores that the male students have more academic procrastination and so lower text anxiety scores than women.

3.2 Findings Regarding to Second Sub-problem

The second sub-problem is "Do the scores of general and academic procrastinations, test anxiety and study and learning strategies show a significant difference in terms of year of study?" The Mann Whitney-U test results for this sub-problem are given below.

Table 2. Mann Whitney-U Test Results of general and academic procrastination, test anxiety scores in terms of grade levels

	Group	N	Mean Rank	Mean Sum	U	p
General Procrastination	1 st year	31	29,44	912,50	416,500	,009*
	4 th year	42	42,58	1788,50		
Academic Procrastination	1 st year	31	31,23	968,00	472,000	,046*
	4 th year	42	41,26	1733,00		
Test Anxiety	1 st year	31	31,02	961,50	465,500	,038*
	4 th year	42	41,42	1739,50		

As table 2 suggests, significant differences can be seen in all variables between 1st and 4th year students ($p > .05$). In other words, 4th year students are more likely to display both general and academic procrastination behaviours and also test anxiety than first year students. Seniors are less enthusiastic for learning so they have stronger tendency for academic and general procrastination behaviour along with test anxiety. This situation may be resulted from they have just gotten out of from the stressful university admission process and settled into a new institution with new identities as university students.

3.3 Findings Related to Third Sub-problem

The third sub-problem is "Do the scores of general and academic procrastinations, test anxiety and study and learning strategies show a significant difference in terms of weekly study hours? Kruskalwallis-H test for this sub-problem is given below.

Table 3. Kruskalwallis-H Test Results of general and academic procrastination, test anxiety scores in terms of year of weekly study hours

	Weekly study hours	n	Mean rank	sd	X ²	p
General Procrastination	Less than one hour	13	46,42	4	8,405	0,78
	1-3 hours	19	40,03			
	4-6 hours	15	25,37			
	7-10 hours	15	33,37			
	11-15 hours	11	41,45			
Academic Procrastination	Less than one hour	13	57,92	4	21,134	,000*
	1-3 hours	19	40,13			
	4-6 hours	15	23,80			
	7-10 hours	15	28,83			
	11-15 hours	11	36,00			
Test anxiety	Less than one hour	13	54,58	4	13,773	,008*
	1-3 hours	19	37,13			
	4-6 hours	15	37,40			
	7-10 hours	15	27,37			
	11-15 hours	11	28,59			

As it's seen in Table 3, there are significant differences among academic procrastination and test anxiety scores and weekly study hours of students. As far as average scores are concerned, the students who study less than one hour in a week are seemed to have more academic procrastination tendency and test anxiety than others studying longer hours. In addition to these results to find the source of difference, Mann Whitney-U test is done for each variable and significant relations were shown in Table 4 and 5.

Table 4. Mann Whitney U test results of Academic procrastination in terms of weekly study hours

	Group	N	Mean Rank	Sum of ranks	U	p
Academic Procrastination	Less than one hour	13	22,12	287,50	50,500	,005*
	1-3 hours	19	12,66	240,50		
	Less than one hour	13	21,42	278,50	7,500	,000*
	4-6 hours	15	8,50	127,50		
	Less than one hour	13	19,85	258,00	28,000	,001*
	7-10 hours	15	9,78	148,00		
	Less than one hour	13	15,54	202,00	32,000	,022*
	11 hours and above	11	8,91	98,00		
	1-3 hours	19	21,55	409,50	65,500	,007*
	4-6 hours	15	12,37	185,50		

As table 4 suggests, five significant differences were observed between the students' academic procrastination tendency and weekly study hours. The students studying less than one hour in a week have more academic procrastination tendency than the students studying 1 hour and longer hours. In other words mean rank scores shows that as the students' weekly study hours increases, academic procrastination decreases.

Table 5. Mann Whitney U test results of test anxiety in terms of weekly study hours

	Group	N	Mean Rank	Sum of ranks	U	p
Test Anxiety	Less than one hour	13	21,23	276,00	62,000	,018*
	1-3 hours	19	13,26	252,00		
	Less than one hour	13	18,38	239,00	47,000	,020*
	4-6 hours	15	11,38	167,00		
	Less than one hour	13	19,92	259,00	27,000	,001*
	7-10 hours	15	9,80	147,00		
	Less than one hour	13	16,04	208,50	25,500	,008*
	11 hours and above	11	8,32	91,50		

Similar to previous results, four significant differences ($p < .05$) were observed between the students' test anxiety and

weekly study hours in Table 5. The students studying less than one hour in a week have more test anxiety than the students studying 1 hour and longer hours. In other words mean rank scores shows that as the students' weekly study hours decreases, test anxiety increases. It can be said that as the students study more, they feel they are more capable of achieving the tests. Every time it's not the case; that is long study hours don't reflect the test scores directly but in music department students especially for the lessons requiring individual instrument performance, it can be said that the harder they study, the less they feel anxious about tests.

3.4 Findings Related to Fourth Sub-problem

In the fourth sub-problem of the research, the relationship between the academic procrastination and general procrastination tendencies, the scores of the test anxiety and the study and learning strategies were tested by Pearson correlation analysis and the results are shown in Table 5.

Table 5. Pearson Correlation Analysis of general procrastination and academic procrastination, test anxiety and study and learning strategies scores

Correlations		AP	GP	TA	
Pearson rho	Academic Procrastination (AP)	Correlation Coefficient	1	,501**	,563**
		Sig. (2-tailed)		,000	,000
		N	73	73	73
	General Procrastination (GP)	Correlation Coefficient	,501**	1	,278*
		Sig. (2-tailed)	,000		,017
		N	73	73	73
	Test Anxiety (TA)	Correlation Coefficient	,563**	,278*	1
		Sig. (2-tailed)	,000	,017	
		N	73	73	73

** . Correlation is significant at the 0.01 level (2-tailed).

* . Correlation is significant at the 0.05 level (2-tailed).

As table 5 shows, there is a moderate positive correlation between academic procrastination and general procrastination tendencies ($r=.50$, $p<.05$). Likewise, there is a moderate and positive procrastination between academic procrastination and test anxiety ($r=.56$; $p<.05$). In other words, as the academic procrastination tendencies of students increase, so do their general procrastination tendencies and test anxiety. Additionally, there is a low but positive correlation between general procrastination and test anxiety ($r=.278$, $p<.05$).

3.5 Findings Related to Fifth Sub-research Problem

Table 6. Multiple Regression results of Music teacher candidates' academic Procrastination behavior together with independent variables

	B	Std. Hata	β	t	p	Tolerance	VIF	CI	%95 GA
(Fixed)	13,203	6,135		2,152	,035			1,000	0,966/25,439
Test Anxiety	0,635	0,128	,459	4,950	,000	,923	1,084	7,274	0,379/0,890
General Procrastination	0,558	0,138	,374	4,036	,000	,923	1,084	10,279	0,282/0,833
Academic Procrastination	=13,203+0,635xTest Anxiety +0,558x General procrastination					$R^2=0,446$ / Ad $R^2=0,43$	$F_{(2,70)}=28,121$		

Multiple regression analysis was conducted to determine the extent to which levels general anxiety and test anxiety were explained academic procrastination behavior. According to multiple regression results, the model is seemed to be available.

It was determined that the model constructed according to the multiple regression analysis is valid as a whole ($F_{(2,70)}=28,121$; $p<0,000$) and that independent variables account for 45% of the total variance explained for academic procrastination ($R^2 = 0,446$). When the parameters related to the multiple regression model are examined, the standardized regression coefficients (β) indicate the order of significance over the test anxiety of the predictive variables; ($\beta = ,459$, $t = 4,950$, $p = ,000$, $p = 0,00$), and general procrastination ($\beta = ,374$; $t = 4,036$; $p = 0,00$) respectively. When the results of the t-test on the significance of the regression coefficients are examined, it is seen that the two variables discussed also have a significant ($p = .000$; $p <.005$) predictive effect on academic procrastination behaviour.

According to the results of regression analysis, the regression equation (mathematical model) related to the prediction of academic procrastination is given as: Academic Procrastination =13,203+0,635xTest Anxiety +0,558x General procrastination.

4. Discussion

In the literature, many studies can be found investigating the relationship between academic procrastination behaviour and different variables. However, in this study, variables such as gender, grade levels, weekly study hours, test anxiety were included to explore to what extent such variables are effective.

The results of the research show that male students are more likely display general and academic procrastination behaviours than female students. On the other hand, female students have more positive attitudes towards study and learning strategies. This suggests that there is a gender difference in terms of procrastination behaviour. Some studies investigating the relationship between academic procrastination behaviour and gender demonstrate different results. Yet, some of the research also shows that men are more likely to demonstrate academic procrastination behaviours. For example, Balkis, Duru & Duru (2006) argues that the levels of male students' tendency to procrastinate the academic tasks are higher than those of female students' tendencies. Uzun Özer, Demir & Ferrari (2009) reported that undergraduate male students had significantly higher levels of academic procrastination than female students. Likewise, Pala, Akyıldız & Bağcı (2011) also suggests that the academic procrastination behaviours of male students were higher than female students. Similarly, Çıkrıkçı & Erzen (2016) found in their meta-analysis work that that gender was an important variable on academic procrastination behaviour and showed that academic procrastination tendencies of male students are higher than female students. Khan, Arif, Noor, & Muneer (2014) investigated gender differences in academic procrastination behavior in their study and found that male students procrastinate more than female college and university students. Balkis & Duru (2017) reported that male students had higher level academic procrastination and lower level of academic performance and academic life satisfaction. Although it is not clear, the reason why men tend to show more procrastination may be related to the social construction that girls are seen more hardworking and responsible than boys. Such a cultural stereotype may be thought to shape the gender roles and the responsibilities of men and women. Hess, Sherman, & Goodman (2000) found in their study that evening news was as a predictor of academic procrastination with 107 US undergraduate students. If it is looked at the study result from this perspective, it can be explained to some extent why men are more at risk for academic procrastination in music department. Although it can't be generalized, men tend to stay outside later hours than women in Turkish culture. Furthermore, male students in music department usually work in entertainment sector at late hours to earn their pocket money. That situation may also cause an unhealthy lifestyle in which evening less and procrastination occur.

This research also focused on the variable of 'grade levels. The results show that seniors are more likely to display general and academic procrastination tendencies than freshmen. Likewise, Çelik & Odacı (2015) demonstrated that academic procrastination behaviour had a significant difference in terms of year of study and that third year students displayed more academic procrastination behaviours than the second year students. McCown & Roberts (1994) also revealed that 19% of students in the first year showed academic procrastination behaviour, while students in the fourth grade showed an increase in procrastination behaviours and 31% of them showed academic procrastination behaviours. Similarly Karabiyik Çeri, Çavuşoğlu & Gürol (2015) concluded that there was a meaningful difference between the level of academic deferment of the students attending the fourth grade and the students attending the third grade. It can be said that the students who read in the fourth grade tend to show more academic procrastination behavior than the students who study in the third grade. Although the sample group is different, Yaycı & Düşmez (2016) also found that the age variable influenced procrastination and 12th grade students showed more procrastination behaviours compared to the other grades (9,10,11). Onwuegbuzie (2004) noted that it is possible that graduate students procrastinate more for different reasons than do undergraduates in a different point of view. This shows that new comers to the university are more enthusiastic in terms of systematic studying whereas within the years they lose the discipline and enthusiasm towards studying. In addition, it can be interpreted that the increase in anxiety levels of final year students may affect the attitudes towards learning and working negatively.

The third variable related to the academic procrastination tendency is the test anxiety. Test anxiety has a significant correlation with the academic and general procrastination behaviours of students in this study. For instance, Özer & Topkaya (2011) pointed out in their research on academic procrastination and test anxiety that there was a significant correlation between the fear of failure and test anxiety ($r = .34$). Balkıs et al. (2006) showed that the academic procrastination tendency had a significant positive correlation with the negative attitudes toward learning, learning difficulties and concentration difficulties. The work of Kağan (2009) on university students show that there is a positive and significant correlation between academic procrastination and general procrastination whereas there is a weak significant and negative correlation between academic procrastination and anxiety. Onwuegbuzie (2004) also reported that individuals who experience increases in levels of statistics anxiety are more likely to postpone undertaking statistical activities and assignments (e.g. writing term papers, studying for examinations, and keeping up with the weekly readings) due to task averseness. As Hussain & Sultan (2010) stated procrastination has negative side effects on the learning of students such as causing failure or fear of failure in the examinations resulting in depression and anxiety

because it lowers their morale. Therefore it can be argued that whatever the kind of procrastination is, it is clear that it slows down the performance of students making them careless, lazy, passive and academically stagnant & irresponsible. As a result they can not complete their studies and they find themselves in a negative vicious cycle to start or complete the work in an expected time.

Finally, the regression model shows two variables together (test anxiety and general procrastination tendencies) predict academic procrastination and explain almost 50% of the variance. There are not any studies directly related to our study but similar studies were discussed to give clues about procrastination behaviour. Şirin (2011) suggested that the only variable that predicted academic procrastination was general procrastination behaviour. As differs from our research Tan et al. (2008) indicates that self efficacy was a strongly and negatively related to procrastination whereas test anxiety and academic stress did not emerge as significant factors explaining procrastination behaviour. As a result of Çakır et al. (2014)'s study it is seen that there is a positive relation between academic procrastination and school burnout or academic burnout and it explains 37% of procrastination behaviour in regression model. Kagan (2009) in his study investigating university students' academic procrastination tendencies, found that the most powerful explanations of academic postponement were general postponement, time management and motivation. Saracaloğlu & Göktaş (2016) reported that laziness, academic motivation, and fear of failure are significant predictors of academic procrastination. Academic procrastination has the highest correlations with reasons of academic procrastination; fear of failure, risk taking, and rebellion against control. Additionally, Akbay & Gizir (2010) observed that academic motivation, academic self-efficacy and academic attributional style were the significant predictors of academic procrastination among university students.

As a summary when looking at the literature, it can be observed that the predictors of the procrastination behaviour can not be explained in only one factor because it has a diverse structure but in general as it was found in our study that general procreation and test anxiety effect procrastination behaviour in a direct manner.

5. Suggestions

The sampling group of this research was Music Education students at Fine Arts Education Faculty. The reason why we conducted this research with this group of students was that the number of graduates considerably decreased within the time and only three students graduated in 2017. Furthermore, lecturers in this department also note that students do not keep up with designated tasks. Therefore, one limitation of this research is that the research can be conducted with students in other departments. This research can also be strengthened by qualitative methodology.

The results show that fourth year students have more general and academic procrastination behaviour compared to first year students so semi-structured interviews can be used to elaborate on the reasons of such behaviours and may be elective courses attentive to effective studying and learning strategies of students can be introduced.

This research primarily looked at the variables of academic and general procrastination, test anxiety, study and learning strategies and the correlation between these variables. Further researches can expand the scope of the study and carry out a modelling study.

Note

This research is an improved form of the oral presentation which was presented in the 26th International Conference on Educational Sciences (ICES-UEBK. 2017) that was held between the dates of April 20-23, 2017 in Antalya in Turkey.

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