

Roles of Parenting Aquatic Athletes Through Mediators Achievement Motivation

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Abstract—The purpose of this study is to examine the role of parenting model to the performance of athletes through the mediator of achievement motivation. The hypothesis of this research is the theoretical model used to measure the performance of an athlete through achievement motivation mediator with empirical data. The population used in this study are the aquatic athletes who follow the Festival of Aquatik Indonesia 2018 in Surabaya. The sampling technique used in this study is Total sampling. Samples in this study were 39 athletes consisting of 12 swimming athletes, 4 synchronous swimming athletes, and 23 water polo athletes. Data collection was done using scale and documentation. The data analysis uses the SmartPLS program to test the suitability of the measurement model with existing data in the field. The results showed Goodness of Fit (GoF) values: 0.271 and can be used as a model to measure individual performance through achievement motivation mediator in accordance to empirical data. The test results show that the role of the parenting model is direct, positive and significant to the athlete's achievement and there is a significant role model of care for the employee through the mediator of achievement motivation.

Keywords—aquatic athletes, parent role, and achievement motivation

I. INTRODUCTION

Good athletes need good parents. Parents, in their different ways play a vital role in supporting the involvement of their children and young people in competitive sports [1]. Without parental support it would be difficult or more than impossible to have a successful athlete [2]. Parental attitude has consequences that can cause physical and psychological damage that will last the entire lifetime of the athlete [3]. According to the psychological study, one of the characteristics that determine the success of an athlete is the high need for maximal performance [4]. This is known as achievement motivation. Achievement motivation as a driving condition in an individual that plays an important role in achieving an athlete's performance [5].

Motivation is one of the general signs of predicting success [3,6]. Athletes who have achievement motivation are more successful and can reach their goals [10]. Other studies examined motivation as a task or ego oriented [11]. The task orientation was associated more with values in sportsmanship whereas; the ego representation was more closely focused on a winning orientation. The parental involvement influence the career of the young athlete in different ways [7-9]. 42 % interviewed athlete says that their inclusion in sport was influence of their parents [12]. In my

opinion, a successful career in sports depends, to a large extent, on the family members because they can provide a favorable environment conducive to development of the athlete [13].

Many parents influence the performance of athletes. Supportive parents are the best motivator for athletes. Motivation is the capital that enables an athlete to win. Without achievement motivation, an athlete does not have the spirit to get maximum performance. Achievement motivation as a driving condition in an individual that plays an important role in achieving athlete's performance. There has been a lot of research on the role of parents in the performance athletes, but research on the role of parenting to the athlete through the mediator of achievement motivation has not been done, especially on aquatic athletes. The purpose of this research is to test the theoretical model of the role of parenting model to the performance of aquatic athletes through the achievement motivator.

II. METHODS

The object of this research is the aquatic athletes Daerah Istimewa Yogyakarta (DIY) which follow the Festival of Aquatik Indonesia (FAI) 2018. The aquatic athlete consist of 39 people; 12 swimming athletes, 4 synchronous swimming athletes, and 23 water polo athletes. Before conducting further research, they are first required to fill out a letter of willingness to be involved in this research. Of the total population, 23 female athletes and 19 male athletes were willing to be involved in this study so that the sampling technique used is total sampling.

In this study, the data collection used instruments form athlete performance at FAI 2018 which included a data documentation by researchers. In addition, this research instrument also uses the scale method as a data collector. The scales used in this study are achievement motivation scale and parenting model. Data collection scale uses questionnaire consisting of 54 item which is divided into 38 items on achievement motivation and 16 items on parenting pattern. The statement in the questionnaire uses 4 choices of answers, namely VA (very appropriate), A (appropriate), NA (not appropriate), VNA (very inappropriate). The scoring system for each of the properties of the statement is different. For a favorable statement, the answer score will move from number 4 for VA, 3 for A, 2 for NA and 1 for VNA, whereas in the unfavorable statement, the answer

score will move from number 1 for VA, 2 for A, 3 for NA and 4 for VNA.

All statements refer to this research variable i.e. achievement motivation and parenting model [14]. On the aspect of achievement motivation the scale consists of; love challenges, tend to take moderate risk, be responsible, feel strong to achieve goals, feed back, creative and innovative. Achievement motivation in this research is expressed by achievement motivation scale [9]. The higher the score obtained by the subject, the higher the achievement motivation, and the lower the score obtained by the subject, the lower the achievement motivation. Parenting aspects include; emphasize aspects of education, firm, open and discussion, flexibility with limits and control, rigid and hard and demanding and coercive. The parenting pattern in this research is expressed by the scale of democratic Authoritarian parenting. The higher score the subject gets, the more appropriate the parenting pattern used by the parent in caring for the child, and the lower score the subject gets, the less the parenting pattern used by the parent in caring for the child. The achievement used was achieved at the time following the FAI 2018.

After all the data is collected, data processing is performed with descriptive statistical techniques to get an overview of respondents data using SPSS 16.00 for windows program. While for data analysis by using PLS (Partial Least Square) whose processing is done by Smart PLS 3.0 program to test suitability of measurement model with existing data in field.

III. RESULT AND DISCUSSION

Data collected for the study were analyzed using SPSS 16.00 for windows to get a general description of respondent data. While to test the suitability of measurement model with existing data field will use Smart PLS program. Here is the result of the data.

TABLE I. RESULT OF COMPOSITE RELIABILITY FOR MOTIVATION, PARENTING AND PERFORMANCE.

	Cronbach's Alpha	Rho_A	Composite Reliability	AVE
Motivation	0.902	0.902	0.915	0.403
Parenting	0.951	0.949	0.956	0.548
Performance	1.000	1.000	1.000	1.000

The research variable is considered reliable if the composite reliability value is greater than 0.70. Based on the above results note that all variables have passed the reliability test.

TABLE II. RESULT OF GOODNESS OF FIT (GoF)

	Saturated Model	Estimated Mo
SRMR	0.202	0.202
d_ULS	25.726	25.744
d_G	22.369	22.359
Chi-Square	1,868.841	1,869.480
NFI	0.271	0.271

The test results show the value of Goodness of Fit (GoF) amounting to 0.271 so it is concluded that the theoretical model that describes the role of parenting model to the achievement of the pool athlete through the mediator of achievement motivation fit with empirical data. From the results, data analysis obtained are:

1. Influence of care for athlete's performance $r = 0,767$ with $p\text{-value} = 0,000$. Meanwhile, based on the output of data analysis, the estimation model of the parenting role has a positive effect on the achievement of the pool athlete proved significant. So it can be concluded that the model of parenting contributes positively to the performance of swimming athletes.

2. Influence of achievement motivation to achievement of swimming athletes $r = 0,538$ with $p\text{-value} = 0,000$. Meanwhile, based on the output of data analysis, the estimation of the role of achievement motivation positively contributed to the achievement of the pool athlete and proved significant. So it can be concluded that achievement motivation positively contributes to the achievement of pool athletes.

3. Influence of parenting model to the achievement of pool athlete through mediator of achievement motivation $r = 0,412$ with $p\text{-value} = 0,000$. Meanwhile, based on the output of data analysis, the estimation of the influence of the parenting model positively contributes to the achievement of the pool athlete through the mediator of achievement motivation proved to be significant. So it can be concluded that the model of parenting plays a positive role in the achievement of the pool athlete through the mediator of achievement motivation.

4. The results of this study indicate that the variables 0.538 used in this study is the greatest influence in the motivation.

IV. CONCLUSION

The results show that the role of parenting model plays a direct, positive and significant role in the achievement of the pool athlete and they play a significant role in the achievement of the pool athlete through the mediator of achievement motivation. Parenting models are proven to improve the performance of aquatic athletes. Parents must be alert and aware of the level and manner of their engagement so that the experience of their children in the sport context is positive. We found that aquatic athlete rely on parental support to be able to participate and develop their sporting potential, with appropriate parenting the athlete will have achievement motivation that will make him / her achieve maximum achievement. Based on this study, the appropriate model of parenting is a democratic authoritarian parenting style where with the model an athlete will have confidence, love challenges, responsible, dare to take risks, have a purpose in life, creative and innovative. These characteristics are the characteristics of achievement motivation that can determine the success of the athlete to achieve maximum performance.

REFERENCES

- [1] J. Cote, "The influence of the family in the development of talent in sport," *The Sport Psychologist*, 1999, 13(4), 395-417
- [2] K. D. Cogan, & P. Vidmar, *Sports psychology library: gymnastics*. Morgantown: Fitness Information Technology, 2000.
- [3] E. M. Doherty, Winning isn't everything... it's the only thing: a critique of teenaged girls' participation in sports. *Marquette Sports Law Review*. 10(1), 127-160, 1999.
- [4] R. H. Cox, *Sport psychology-concept and applications*. New York (2nd ed): Wm. C. Brown Publishers. 2002.
- [5] L. Louer, D. Gould, N. Roman, M. Pierce, "Parental behaviours that affect junior tennis player development," *Psychology of Sport and Exercise*, 11(6), 487-496, 2010.
- [6] D. Gould, D. Guinan, C. Greenleaf, R. Medbery, K. Peterson, Factors affecting Olympic performance: perceptions of athletes & coaches from more & less successful teams. *The Sport Psychologist*. 13, 371-394. 1999.
- [7] D. Gould, K. Dieffenbach, A. Moffett, "Psychological characteristics and their development in Olympic champions," *Journal of Applied Sport Psychology*, 2002. 14 (3), 172-204.
- [8] P. Haberl, "The psychology of being an olympic favorite," *Athletic Insight Journal of sport Psychology*, 2007, 9(4), 37-49.
- [9] D. C. Mc. Clelland, *The achievement motives*. New York: Appleton Century Crafft. 1987.
- [10] S. D. Mellalieu, R. Neil, S. Hanton, "Self-confidence as a mediator of the relationship between competitive anxiety intensity and interpretation," *Research Quarterly for exercise and sport*. 77, 263-270. 2006.
- [11] S. F. Pugh, International master level rugby: Why we play the game. An unpublished paper presented at the annual ASAPERD fall conference, Nov. 2006, Birmingham, AL. 2006.
- [12] S. Jowet, & M. Timson-Katchis, Social network in sport: parental influence on the coach-athlete relationship. *The Sport Psychologist*. 19, 267-287. 2005.
- [13] N. Darling, & L. Steinberg. Parenting style as context: An integrative model. *Psychological Bulletin*. 113. (3), 487-496. 1993.
- [14] D. Gould, D. Feltz, & M. Weiss, "Motives for participating in competitive youth swimming," *International Journal of Sport Psychology*. 1985.