

# STATEMENT

From prof. Pencho Geshev, PhD

*Regarding the Dissertation, submitted by Assoc. Prof. Mariana Borukova, PhD, with title „COMPLEX SYSTEM FOR CONTROL AND ASSESSMENT OF PHYSICAL DEVELOPMENT AND SPECIFIC WORKING ABILITY OF ADOLESCENT BASKETBALL PLAYERS" for the award of the scientific degree DOCTOR OF SCIENCES in the professional field 7.6. Sport.*

The presented Dissertation by Mariana Borukova consist of 291 pages, including 225 pages of content and 66 pages with references of used literature and annexes. The Dissertation is splendidly illustrated with 51 figures and 44 tables. Two hundred twenty-three literature sources have been studied, of which 140 in Cyrillic and 83 in Latin, as well as 7 internet sources. The Dissertation is properly structured and meets the requirements for such scientific product.

With the introduction in the volume of 7 pages, the author draws attention to the state of control of the sports training of adolescent basketball players and the need to introduce a test battery with an adjacent up-to-date normative system in order to increase the effectiveness of the training process.

The first chapter of the Dissertation deals with issues related to the theoretical foundations of control in basketball. The essence of the concept of control is thoroughly examined both from a general-theoretical aspect and from the point of view of its application in sport and, in particular, in the sport of basketball as a major subsystem in the management of the training process.

Significant attention is also paid to the issues related to the scientific management of control in sports training. The subsystems of the management of the training process

and the factors determining the development of an adequate training program are outlined.

The foremost aspects of the educational-methodical provision in basketball are discussed. The main groups of tests and test batteries providing the pedagogical control in the training process are outlined, as well as the applied systems of control in training.

After the piloted research and summarization of the world and Bulgarian experience in the field of sports training control, the main research thesis of the dissertation, namely "the control of specific performance of adolescent basketball players through a complex test battery as a new approach to effective management of the training process and a prerequisite for sports realization in elite basketball" is logically justified“.

The aim of the study is correctly formulated, it corresponds to the topic and specifies the research thesis of the dissertation.

The objectives of the research are properly framed and they ensure the fulfilment of the research aim.

The subject and the object of the research are correctly stated. The number of the participants in the study is sufficient to ensure the necessary reliability of the research. The size and the expertise of the research team involved in conducting the study is also impressive.

The applied research methods are guarantee for the fulfilment of the established objectives of the study.

In chapter 3 of the Dissertation the author presents to the audience the analysis of the results obtained from the conducted research. It has been carried out thoroughly and shows the author's ability to interpret the research data correctly and objectively.

The survey conducted with the basketball coaches confirms the thesis of the necessity to implement objective control through the creation of a complex test battery with an adjacent normative system. In our opinion, the analysis of the results of the survey should be included in the main text body part of the Dissertation.

Thoroughly analyzed and elaborately illustrated are the results of the study of the mean value, variability of parameters and the significance of differences of indicators of physical development in the groups of boys and girls who participated in the study. Summary of conclusions are also drawn to show the state and trends of the core problem under this study.

Likewise, the results of the study presenting the dynamics of the level of physical development in the target groups by gender and age were analyzed.

An important part of the study is taken by the possibility to summarize the level and trend of physical fitness of adolescents who are participating in the organized basketball training in Bulgaria.

The analysis of the results of the research focusing on the indicators of technical training is carried out correctly and contributes to the fulfillment of the task of developing a complex system of control of the training of adolescent basketball players.

The use of correlation and factor analysis by the author makes it possible to reduce the number of indicators to a number that present significance in the control system and determine the factor structure of the physical fitness of the persons under study. This offers a unique opportunity to construct a model of Complex Test Battery and normative system for adolescent male and female basketball players in the age of U12, U14 and U16.

The conclusions are accurately formulated and present in a summary form the results of the study.

The contribution of the presented Dissertation is significant for the improvement of the system of training control of adolescent basketball players.

In conclusion, with reflection to the written above, along with taking into account the scientific and pedagogical potentials of the author, I recommend the scientific jury to award to Assoc. prof. Mariana Borukova, PhD the degree of Doctor of Science.

Author of the Statement:

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