

## REVIEW

of a foreign scientific consultant on the dissertation work «Preparation of future specialists for the development of research activities of primary school students» by Ulsana Borashovna Akhatayeva, who was awarded the degree «Doctor of Philosophy» (PhD) in the specialty 6D010200 – «Pedagogy and methods of primary education»

### **1. The importance and relevance of the research**

In the program article of the first president of the Republic of Kazakhstan, Nursultan Nazarbayev «Looking to the future: modernization of public consciousness»: «Everyone should deeply understand that education is the most fundamental factor of success. Education should always be in the first place among the priorities of our youth. Because only a nation that puts education above all else in the value system will succeed» - he said. One of the ways to implement this task is to teach future specialists to master the mechanisms for developing research activities in training and apply them in practice. One of the requirements for the training of future specialists is to raise a person who, along with the acquisition of knowledge that meets today's public demand, is able to enter into a creative search for knowledge of methods of application in life practice.

Research activity is an activity aimed at studying and reconstructing the surrounding world, as a result of which the subject directly perceives the object, perceives the difference and similarity of their species color, immediately notices the features and connections to see objects that are difficult to recognize, recognizes the features and connections of objects that are difficult to recognize. Determining the action of specific methods and approaches by setting the problem under study, reducing the objects of research, conducting experiments, explaining and reflecting the facts obtained in practice, constructing assumptions (theories), testing and predicting the acquired knowledge – determine the essence and specifics of this activity.

In research activities literature, educational and cognitive research and research activities are used in synonym. Educational and cognitive research activities are a mandatory component of the learning and instruction process, formed by the organization of teachers and the active participation of students in the cognitive process. Educational and research activities do not require additional time, but contribute to the full participation of students in creative activities. Research activity is carried out outside the educational process, it is not included in the curriculum, the main principle of organizing this activity should be carried out by students voluntarily and independently.

The research activity of students is the level of readiness for self – improvement, obtaining their accepted knowledge, knowledge, and degrees in accordance with a certain scientific cycle. Currently, the problem of preparing future specialists for the development of research activities of primary school



students is relevant in science due to the demand of society for the issue of U. B. Akhatayeva's dissertation on the topic «Training of future specialists for the development of research activities of primary school students».

## **2. Reliability and validity of the theoretical and practical results, and their novelty.**

In the course of the dissertation work, the candidate Akhatayeva U. B. achieved the following scientific results:

1. The scientific-theoretical and methodological foundations for the development of research activities of primary school students of future specialists are determined, the essence of the concepts «research», «research activity» as a philosophical, psychological and pedagogical category is clarified.

2. In the preparation of future specialists for the development of research activities of primary school students, the psychological and pedagogical foundations of the research of foreign and domestic scientists, psychologists, teachers, methodologists are determined based on the contemporary opinions.


3. A structural and content model of training future specialists for the development of research activities of primary school students has been developed and scientifically justified, consisting of components, criteria, indicators, which define very high, high, medium, low, very low levels.

4. A methodological complex for preparing future specialists for the development of research activities of primary school students has been developed: a special course program «Development of research activities of primary school students» and a diary-notebook «Research algorithm» for primary school students.

## **3. The scientific and practical importance of the results**

In determining the scientific-theoretical and methodological basis for preparing future specialists for the development of research activities of primary school students, an analysis of the works of domestic and foreign scientists from the point of view of the topic is carried out, the essence of the concepts «research», «research activity» is clarified. The psychological and pedagogical bases of training future specialists for the development of research activities of primary school students have been determined, and a structural and content model of training future specialists for the development of research activities of primary school students has been developed.

A methodological complex for preparing future specialists for the development of research activities of primary school students: a special course program for future specialists on the topic «Development of research activities of primary school students»; a diary-notebook «Research algorithm» for primary school students. The results of the study can be used in the educational process in higher and secondary special pedagogical educational institutions, general secondary schools, and advanced training centers.





#### **4. Shortcomings in the content and design of the dissertation. Improvements (if any) to be made.**

Assessing the above-mentioned theoretical and practical value of the dissertation, we note that there are also some shortcomings in the content and design of the work.

4.1 In the sections devoted to theoretical analysis, it was not enough to rely on the work of foreign scientists.

4.3 The dissertation contains partial technical gaps.

However, these shortcomings do not reduce the overall theoretical and practical value of the work, they can be taken as an offer.

#### **5. Compliance with general standards of a PhD dissertation**

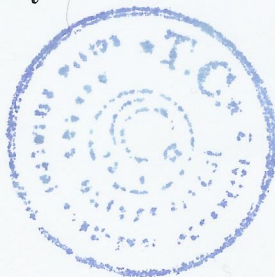
Preparation of future specialists for the development of research activities of primary school students the dissertation work is provided by the scientific and pedagogical foundations of research, the differentiated application of pedagogical technologies considered in accordance with the subject of research, the plan of experimental work, the application of mathematical and statistical methods of initial and final results obtained in accordance with the objectives of the research, the introduction of a special course in the practice of the university with the verification of the identified substantive facts and educational and research activities.

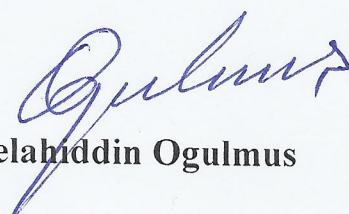
#### **6. Dissertation approved (not approved) for defense.**

I believe that the dissertation work «*Preparation of future specialists for the development of research activities of primary school students*» by Akhatayeva Ulsana Borashovna, recommended for the degree of «Doctor of Philosophy» (PhD) in the specialty 6D010200 – «Pedagogy and methods of primary education», is an independent work, completed, written in accordance with the requirements for dissertations.

Noting the theoretical and practical value of the dissertation work, for the award of the degree of Doctor of Philosophy (PhD), I propose to defend the work of Ulsana Borashovna Akhatayeva on the topic «*Preparation of future specialists for the development of research activities of primary school students*» at the dissertation Council of Abai Kazakh National Pedagogical University in the specialty 6D010200 – «Pedagogy and methods of primary education».

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