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## **BOOK REVIEW: "EDUCATIONAL PROCESSES, DECISIONS, AND THE DEVELOPMENT OF COMPETENCIES FROM EARLY PRESCHOOL AGE TO ADOLESCENCE"**

**Xiaodan Wang**

City University Of Macau, China

### **ABSTRACT**

The book "Educational Processes, Decisions, and the Development of Competencies from Early Preschool Age to Adolescence," edited by Sabine Weinert et al., offers a comprehensive and nuanced examination of the multifaceted factors influencing children's educational development and outcomes. The book draws on data from the BiKS-Study, a large interdisciplinary longitudinal study, to examine the interplay of individual, family, and institutional factors from early childhood to adolescence. The book's twelve chapters investigate various topics related to education, including the influence of early childhood interventions, the role of family and school environments, and the significance of cultural and economic factors. The key findings underscore the pivotal role of early childhood experiences in shaping subsequent educational outcomes, the impact of family background on educational trajectories, and the beneficial effects of high-quality preschools and schools. Furthermore, the book emphasizes the necessity for a comprehensive approach to education, acknowledging the link of cognitive, social-emotional, and physical development. The longitudinal design and multidisciplinary perspective of the BiKS studies facilitate a more profound comprehension of educational processes and decision-making. However, the concentration on a singular national context constrains the extent to which the findings can be generalized. Overall, the book contributes substantially to educational science, offering invaluable insights for policy, practice, and future research.

### **KEYWORDS**

**Educational Processes, Competency Development, Longitudinal Studies, Early Childhood Experiences, Family Background, Institutional Environment, Educational Inequality.**

### **INTRODUCTION**

The study of education from early childhood to adolescence is a worthy area of research. Understanding the complex interplay of individual, family, and institutional factors that influence children's developmental trajectories and educational outcomes has long been a goal of educational research. The book *Educational Processes, Decisions, and the Development of Competencies from Early Preschool Age to Adolescence*, edited by Sabine Weinert et al. (five authors), provides a comprehensive and nuanced examination of these factors. Drawing on data from BiKS-Study (a large interdisciplinary longitudinal study of educational processes, competence development, and educational decision-making), the book provides rich insights into the complex pathways that lead to educational inequality and educational success. Using a multidisciplinary perspective,

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this book provides educators, researchers, teachers, and parents with valuable insights from a developmental perspective.

The publication of this book comes at a time of growing global concern about educational inequality and the need to understand how early experiences, family environments, and institutional settings combine to influence children's learning and life chances. With increasing globalization and rapid changes in social and economic structures, it has become more urgent to understand how these macro-level changes are reflected at the micro-level of individual lives. This book contributes to a deeper understanding of this issue by examining in detail educational processes and decision-making from early childhood through to adolescence.

### **Content Summary**

The book is divided into twelve chapters, each delving into a particular aspect of the research conducted within the BiKS framework. These chapters provide an overview of the research questions, methods, and design of the BiKS-3-18 and BiKS-8-18 studies. The studies followed two groups of children in Germany until they were 18 years old, one starting in preschool and the other in third grade, and tracked their developmental trajectories through primary, secondary, and tertiary education.

The theme of this book revolves around the multifaceted nature of the educational process and its key role in shaping individual abilities from early preschool age to adolescence. The articles collected by the editors explore various aspects of education, from the impact of early childhood interventions to the role of family and school environments in cultivating adolescent abilities. The main points discussed include the interaction between cognitive, social-emotional, and physical development; the impact of cultural and economic factors on educational outcomes; and the relevance of educational evaluation and feedback from teachers and parents to educational decisions and children's ability development. In general, the book mentions that children's educational development and achievement mainly depend on three aspects: individual differences, learning environment, and the supporting role of family and schools. These aspects are essential for developing children's abilities from preschool to adolescence. The book also explores the educational differences between children with and without immigrant backgrounds from an international perspective and the topic of language acquisition, taking Germany as an example.

A key theme from the data was the importance of early childhood experiences in shaping later educational outcomes. As noted in the book, "based on empirical findings that show an early emergence of educationally relevant individual differences in child development..." Research shows that individual differences in language, numeracy, and other cognitive skills emerge early in life and tend to persist and even widen over time.

Furthermore, the study investigates the influence of family background, particularly parents' education and socioeconomic status, on children's educational trajectories. The book mentions that "...disparities depending on family background and the relevance of both primary and secondary effects of the family on educational careers, future life chances, and social participation..." are also key factors in determining children's educational outcomes. The findings indicate that children from more advantaged families commence their educational journey earlier and demonstrate a greater capacity to maintain their advantages throughout their academic careers. However, the evidence also suggests that the impact of family background is not absolute and that individual differences and environmental factors also exert a significant influence.

The institutional environment, including the quality of preschools and schools, constitutes another book focus. The quality of preschool and school environments is a key factor in children's developmental outcomes. The research evidence indicates that high-quality preschools and schools serve to mitigate the negative effects of disadvantaged backgrounds, whereas low-quality institutions have the effect of exacerbating inequalities.

In addition to these core themes, this book explores specific aspects of educational decision-making, such as school enrolment, entry into different academic stages, and transitions to secondary and tertiary education. Research shows that these decisions are often shaped by a complex interplay of individual, family, and institutional factors.

The arguments presented in the book emphasize the necessity of adopting a comprehensive approach to education, acknowledging the complexity of individual development and the interdependence between various influencing factors. The authors highlight the significance of early childhood education in establishing the foundation for subsequent success, the role of teachers and parents as facilitators of learning, and the importance of adapting educational practices to reflect the evolving needs of students.

### **Analysis and Evaluation**

One of the key strengths of this book is its rigorous methodological approach. The longitudinal design of the BiKS studies permits a detailed and nuanced examination of the dynamic interplay between individual, familial, and institutional factors over time. The use of multiple informants, including children, parents, and teachers, and a combination of quantitative and qualitative data collection methods serve to enhance the validity and reliability of the findings.

Also, this book lies in its comprehensive account of the educational process and ability development from a multidisciplinary perspective. The authors successfully combine theoretical frameworks with empirical evidence, providing readers with rich insights into the factors that shape educational outcomes.

One of the most valuable contributions of the book is the emphasis on the connection between various development areas. The authors recognize that cognitive, social-emotional, and physical development are not isolated processes but occur throughout an individual's lifespan, thus emphasizing the importance of promoting comprehensive growth. This approach is consistent with contemporary educational philosophies that prioritize the extensive development of students.

However, the book covers a wide range of topics, and some readers may find it challenging to navigate the vast amount of information provided. The large number of articles and their varying focuses make it difficult to identify key takeaways or generalize the overall message. Additionally, while the international perspective is a strength, it also means that some cultural and contextual nuances may be overlooked, limiting the applicability of some findings to specific populations.

The book still has its limitations. One potential limitation is that the book focuses on only one country, Germany. While the findings provide valuable insights into the educational process in this country, they may not be able to other countries or cultural contexts. In addition, the book could have been more critical of existing theories and frameworks, especially when analyzing and discussing the findings.

### **Value for Readers**

From the readers' perspective, the book offers several valuable insights and contributions. Firstly, it provides a comprehensive and sophisticated analysis of the multifaceted elements influencing children's educational pathways. By examining individual, familial, and institutional factors simultaneously, the book offers a more comprehensive and nuanced perspective on the multifaceted influences on educational processes than is often found in the existing literature.

Secondly, the book emphasizes the significance of early childhood experiences in influencing subsequent educational outcomes. These findings have significant implications for policy and practice, indicating that investments in high-quality early childhood education could potentially contribute to reducing educational disparities.

Thirdly, the book illustrates the value of longitudinal studies in understanding educational processes and outcomes. By following children over an extended period, the BiKS studies captured the dynamic interplay between individual, familial, and institutional factors.

Finally, the book's interdisciplinary approach offers a model for future research. Drawing on insights from multiple disciplines, the authors provided a more comprehensive understanding of educational processes and outcomes than possible from a single disciplinary perspective.

### **Conclusion and Limitations**

The book "Educational Processes, Decisions, and the Development of Competencies from Early Preschool Age to Adolescence" represents a valuable resource for anyone interested in understanding the complexity of educational processes and their impact on individual development. The book presents a comprehensive and detailed analysis of the multifaceted elements that influence children's academic trajectories, with data from two longitudinal studies conducted in Germany. The findings offer significant insights into the influence of early childhood experiences, family background, and institutional context on educational outcomes.

While the book has many strengths, it is not without limitations. Its focus on a single national context limits the extent to which its findings can be generalized, and the lack of critical engagement with existing theories and frameworks could have enhanced the analysis and discussion. Nevertheless, the book significantly contributes to our understanding of educational processes and outcomes and offers valuable insights for policy and practice.

In conclusion, this book offers a comprehensive and insightful examination of the dynamic processes and competencies associated with educational development. Its comprehensive approach and interdisciplinary perspective make it a valuable contribution to academic science. However, readers should be prepared to invest the time and effort required to comprehend the richness and depth of the material presented fully. With these limitations in mind, the book remains a highly recommended read for anyone with a passion for education and the development of young minds.

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