THE ROLE OF CREATIVE APPROACHES IN DEVELOPING EMPATHETIC THINKING IN FUTURE EDUCATORS

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Received: 28.10.2025
Revised: 29.10.2025
Accepted: 30.10.2025

Keywords:
Empathetic thinking, creative approach, future educator, professional development, pedagogical competence.

Annotation. This thesis analyzes the role of creative approaches in developing empathetic thinking among future educators. The findings reveal that creative tasks, reflective activities, and interactive methods enhance students' emotional sensitivity, ability to understand others' feelings, and capacity to express empathy in communication. Moreover, creative approaches positively influence professional motivation and personal growth. Regular implementation of creative methods is identified as a key factor in strengthening the pedagogical competence of future educators.

Introduction. In the modern educational landscape, the ability to think empathetically has become one of the most essential competencies for future educators. Empathetic thinking enables teachers not only to understand the emotions, needs, and perspectives of their students but also to create a supportive learning environment that fosters trust, cooperation, and emotional well-being. In early childhood and preschool education, where emotional sensitivity and understanding are crucial, empathy serves as a foundation for effective communication and moral development. However, traditional teacher education programs often focus primarily on theoretical knowledge and cognitive skills, while the development of emotional intelligence and empathy remains underemphasized. Therefore, integrating creative approaches into teacher training is essential for shaping educators who are emotionally intelligent, open-minded, and capable of connecting with children on a deeper psychological level. Creative methods such as art-based activities, drama, role-playing, reflective storytelling, and group discussions offer future educators opportunities to explore human emotions and perspectives in diverse ways. Through these approaches, students learn to interpret situations from multiple viewpoints, develop compassion, and strengthen their interpersonal communication skills. Moreover, creative activities stimulate imagination and emotional awareness, helping future educators to recognize subtle emotional cues in others and respond appropriately. Developing empathetic thinking through creativity also enhances educators' ability to manage classroom dynamics, resolve conflicts peacefully, and support inclusive education practices. Furthermore, creativity nurtures self-reflection, allowing future teachers to evaluate their emotional reactions and biases, which is vital for building a caring and equitable learning environment.

Literature review. The concept of empathy as a key component of professional and personal development in education has been widely explored by many scholars.

According to [1], empathy in teacher education is not only an emotional response but also a cognitive process that allows future educators to interpret and understand the feelings and behaviors of others. This multidimensional nature of empathy helps establish effective communication between teachers and students, contributing to a more inclusive and humanistic educational environment. Research by [2] emphasizes that developing empathetic thinking requires continuous reflection and emotional engagement, which can be achieved through experiential learning and creative pedagogical practices. Creative learning environments encourage students to express emotions, solve problems collaboratively, and gain insight into diverse human experiences, all of which strengthen empathy. In the study conducted by [3], the use of art-based methods, such as drawing, drama, and creative writing, significantly improved future educators' emotional intelligence and ability to connect with learners' emotional states. These methods provided opportunities for self-expression and emotional regulation, both crucial for fostering empathy. Furthermore, [4] argues that empathy and creativity are interrelated cognitive-emotional skills that mutually reinforce one another. When educators are trained to think creatively, they become more flexible, tolerant, and open to diverse perspectives—traits essential for empathetic understanding. Finally, [5] highlights that teacher preparation programs should systematically integrate creative techniques into the curriculum to ensure that empathy development is not left to chance but cultivated through deliberate pedagogical strategies. Overall, the reviewed literature confirms that creative approaches are highly effective tools for nurturing empathetic thinking in future educators, promoting both emotional awareness and professional competence.

Research methodology. The present study employed a qualitative and quantitative mixed-methods approach to comprehensively examine the role of creative approaches in developing empathetic thinking among future educators. The research was conducted at the Faculty of Pedagogy of International Nordic University, involving 80 students enrolled in the "Preschool Education" and "Primary Education" programs. The participants were selected using purposive sampling to ensure that all respondents were actively engaged in pedagogical training and had prior experience in classroom observation or teaching practice. The research was organized in three main stages: diagnostic, formative, and evaluative. During the diagnostic stage, the initial level of empathetic thinking among students was measured using an adapted version of the "Empathic Disposition Scale" and reflective questionnaires that assessed cognitive empathy, emotional responsiveness, and behavioral sensitivity. The results of this stage provided a baseline for designing the formative intervention. The formative stage focused on the implementation of creative teaching methods aimed at enhancing empathy. Various pedagogical strategies were introduced, including art-based reflection (drawing emotional states of children), role-playing (acting out classroom conflict situations), storytelling (sharing emotional experiences from pedagogical practice), and collaborative creative projects (developing empathy-based teaching scenarios). These activities were designed to engage both cognitive and emotional aspects of empathy, allowing

participants to analyze their own reactions, understand others' perspectives, and apply empathetic principles in simulated educational settings. The evaluative stage assessed changes in students' empathetic competence after the intervention. For quantitative measurement, pre- and post-tests were compared using descriptive statistical analysis to identify the degree of improvement in empathy-related indicators. For qualitative evaluation, in-depth interviews and reflective journals were analyzed to capture students' perceptions of how creative approaches influenced their emotional awareness and professional growth. Triangulation of methods ensured the reliability and validity of findings by comparing data from different sources. Ethical considerations were strictly observed throughout the study—participation was voluntary, anonymity was guaranteed, and all activities were conducted with respect for participants' emotional well-being. Overall, this research methodology allowed for a comprehensive understanding of how creative pedagogical techniques contribute to the formation of empathetic thinking, revealing that creativity serves not only as a teaching tool but also as a powerful mechanism for emotional and professional development in future educators.

1-Table. Dynamics of Empathetic Thinking Development among Future Educators

Indicators of Empathetic Thinking	Before Implementation (%)	After Implementation (%)	Improvement (%)
Emotional Sensitivity	45	70	+25
Perspective-Taking Ability	42	68	+26
Communication and Interaction Skills	48	73	+25
Emotional Self-Regulation	40	65	+25
Overall Empathetic Competence	44	70	+26

The table illustrates the improvement in empathetic thinking indicators among future educators after the application of creative teaching methods. As shown, all measured components demonstrated significant growth, with an average increase of approximately 25%. The greatest improvements were observed in perspective-taking and communication skills, reflecting the positive influence of creative activities such as role-playing, storytelling, and reflective art practices. These findings confirm that creative approaches effectively enhance both emotional and cognitive dimensions of empathy, preparing future educators for more sensitive and emotionally intelligent pedagogical practice.

Research discussion. The findings of the study revealed that the implementation of creative approaches in the training of future educators had a significant impact on the development of empathetic thinking and emotional

intelligence. During the diagnostic phase, the data indicated that while most participants possessed a general understanding of empathy as an important pedagogical quality, they often struggled to apply it effectively in real-life communication or classroom situations. Their responses in the initial questionnaires showed that empathy was primarily understood as sympathy rather than a complex cognitive-emotional skill that requires perspective-taking, active listening, and emotional regulation. After the introduction of creative pedagogical interventions, however, notable improvements were observed across multiple dimensions of empathy. Participants demonstrated higher levels of emotional awareness, showing an increased ability to identify and interpret the emotional states of children during simulated teaching sessions.

The use of art-based reflection, for instance, allowed students to visualize and express emotions, which enhanced their sensitivity to nonverbal cues and improved emotional literacy. Similarly, role-playing activities encouraged participants to step into the roles of both teachers and children, fostering perspective-taking and emotional flexibility. These findings align with previous research suggesting that creativity strengthens the neural and emotional processes associated with empathy by encouraging openness, curiosity, and imaginative engagement with others' experiences. Moreover, the analysis of reflective journals indicated that students began to view empathy not only as a professional obligation but as a deeply human trait that enriches interpersonal relationships and enhances the overall quality of teaching. Through creative storytelling and collaborative projects, participants learned to share personal experiences, which built mutual understanding and a sense of emotional connection within the group. The qualitative data also revealed that creative approaches contributed to reducing emotional barriers such as anxiety and indifference, allowing students to communicate more authentically and compassionately. Quantitative results from the post-test measurements supported these findings, showing a 20–25% increase in empathy-related indicators, including emotional responsiveness, perspective-taking, and communicative sensitivity. These results demonstrate that systematic inclusion of creative methods in teacher education programs can effectively transform the way future educators perceive and practice empathy.

Conclusion. The conducted study confirms that creative approaches play a crucial role in developing empathetic thinking among future educators and serve as an effective means of integrating emotional intelligence into professional training. The results demonstrated that when students actively engage in creative activities such as art-based reflection, role-playing, and storytelling, they not only enhance their ability to understand and respond to others' emotions but also strengthen their own self-awareness and emotional regulation. The research findings revealed that empathy, as a pedagogical competence, can be effectively nurtured through experiential and creative learning methods that combine cognitive, emotional, and behavioral components. These methods encouraged students to observe, analyze, and interpret emotional interactions in educational contexts, leading to a deeper

understanding of children's psychological states and needs. Moreover, the creative learning process promoted cooperation, mutual respect, and emotional openness among participants, helping them build stronger interpersonal communication skills essential for their future professional roles. The comparison between pre-test and post-test data indicated a marked improvement in all key indicators of empathetic competence, confirming that systematic inclusion of creativity-based exercises in teacher training significantly enhances empathy development. It was also found that creative engagement contributes to intrinsic motivation, reflective practice, and the cultivation of a humanistic outlook — attributes that are indispensable for effective and compassionate teaching. Therefore, it can be concluded that the use of creative pedagogical approaches should become an integral part of teacher education curricula. Their consistent application not only improves the emotional and professional preparedness of future educators but also contributes to the formation of an educational environment based on understanding, respect, and empathy — the essential foundations for the moral and psychological well-being of both teachers and learners.

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