

Development of Physical Education, Sport and Health Learning Model in Inclusive Primary School

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Abstract: People with disability worldwide are not considering in many tasks especially in physical education and sports, they are somehow ignored. The aims of this research were to disseminate a Physical Education (PE), Sport and Health learning model instruction to a broader field. The research sampling were physical education teachers, sport teachers, and students from Yogyakarta State University were recruited. The research instruments were a test, questionnaire, and observation guide. The data were analyzed using descriptive techniques. The results were disseminated effectively by explaining the concept and model visualization, training teachers by giving them the freedom to apply the concept adjusted to condition, peer teaching through simulation in small groups, and transferring from teachers to students according to the model. The model was very easy to apply. The including of students with disabilities in school-based on physical education (PE), sports and health was common practice. However, the engagement and interaction of all students in this environment were observed. The new learning model has improved the physical education teaching skills. In conclusion there was a good interaction between normal student and disables students were therefore observed.

Keywords: model, physical, education, sport, inclusive

1. Introduction

The thought of inclusive of college students with disabilities into common education school rooms has turn out to be generic in many nations over the previous few years. The consensus about the notion of inclusive schooling used to be observed at the forty eighth session of the International Conference on Education in November 2008 (Qi & Ha, 2012). A good education has to be aimed with imparting of best schooling for all, whilst respecting variety, the one-of-a-kind wants and abilities, traits and mastering expectations of the college students and communities. Inclusion stays a key political agenda for international training and is a be counted that instructors throughout issue communities and phases of schooling are challenged to respond. In bodily schooling specifically, lookup continues to highlight that contemporary practice frequently reaffirms as an alternative than challenges set up inequities.

Similar to all curriculum areas, when thinking about the inclusion of college students with disabilities, bodily schooling (PE) faces many new sorts of challenges and opportunities. PE or gymnastics is a path taken throughout foremost and secondary education, which is accountable for developing the psychomotor, affective, and cognitive domains of learning in a play or movement exploration setting (Tabuñar Fortunado, 2016).

A lot of research has been done on the development of education for all programs. The scientific study on the education of the disabled is quite large and involves many independent issues, ultimately the research has shown that the trend of education for all is increasing day by day.(Luz Yolanda Toro Suarez, 2015).

A range of recommendations has additionally been developed to assist inclusive exercise in physical education (Qi & Ha, 2012), (National Association for Sport and Physical Education; American Heart Association, 2010). The world colleges are below stress to enhance scholar studying effects in common educational subjects. But colleges are not simply positioned the place college students go to pursue tutorial achievement: faculties be nurturing environments that enhance the whole child, inclusive of their social, emotional, bodily and intellectual well-being. If kids and younger humans had been to emerge as responsible, productive and completely satisfied individuals of society, they want a holistic education that prepares them not just for cognitive tasks, however for the broad gamut of personal, social and expert opportunities, challenges and duties in life. In this context, bodily and health.

Much of what occurs in physical training classrooms, we argue that is located across the normative and integrative conceptions of inclusion. With normative conceptions, the position of schooling is actually to make sure conformity to a particular described widespread identity that is explicitly and implicitly ‘written into’ and legitimated by means of curriculum, as represented in legit texts and physical education packages in schools. Physical schooling curriculum itself then will become narrowly conceived. The sustained dominance of a multi-activity primarily based curriculum and particular sports and games in bodily training (Kirk, 2018), Due to the curriculum which is based on the expression of special motor skills, knowledge and understanding, it was designed that for students unsuited to the whole teaching process was considered invalid and looked down upon in society. It was designed that educators gave priority to specific movement experiences which are standardized (Griggs & Ward, 2012), (Azzarito & Solmon, 2006), (Hay & Lisahunter, 2006). a specific standardized program is carried out to restore the challenges related to health, body, mind, but also caused by chronic diseases (McCuaig, Quennerstedt, & Macdonald, 2013). the normative perspective is the evaluations from the pedagogical point of view are done with the aim of charting the weak points of the learner. the child's skills will be developed by the knowledge and skills acquired in class.

Education curriculum reform has become a policy focus in many fields and has many partner countries. The jurisdictions looking to promote student health and well-being (Physical & Dynamic, n.d.). Referring on the studies which have been done, the lookup compiled a database of lookup articles associated to inclusive in physical education contextual. Based on the researches done abroad the researchers find that in Indonesia especially in many primary school of Yogyakarta State teachers are facing really problems of physical education inclusive because they live a lack of knowledge in inclusive teaching while they put out of disabled children from groups working during the physical education lesson. Based on surveyed done 75% from 82 physical education teachers didn't have knowledge or competence in Physical education and sport inclusive. There is a need to note that many different descriptions about inclusion in PE (e.g. inclusion of students with disabilities in general, inclusion of students with disabilities in regular PE, and inclusive in PE) Many appellations existed in previous studies. In recent years, inclusive education has become a very interesting issue in Indonesian education system. The implementation of this policy has never been evaluated. The study aims to evaluate and develop the implementation of inclusive Physical Education (PE) in Yogyakarta, Indonesia.

2. Research Method

This lookup is a descriptive research. The survey method has been used accompanied with observation, semi structured interview, eighty two representative bodily education teachers from the 7 regencies in Yogyakarta unique location had been given questionnaire related to the physical training inclusive. The sampling technique used in this research was cluster random sampling. Out of 50 inclusive fundamental faculties placed in Yogyakarta distinctive area have been covered

Procedure research techniques

The research instruments used in this study were a questionnaire, and semi structured interview. A questionnaire consisted 20 questions related on the physical education learning aim, methods, matters, equipment, and evaluation method. The implementation of bodily schooling inclusive used to be found from the files of lesson layout and coaching of mastering tools as the getting to know coaching item. The learning procedure had been determined from the trainer endeavor in conveying the goals, material, methods, and goal of mastering via in my view and team. Observation used to be additionally conducted on actuating the instructing getting to know procedure in time period of method, duration, pupil involvement, specifically on disable students. The correcting treatment for students who had now not been capable to do the venture excellent has also been the center of attention of this study. Learning results have been explored from the experience of pleasure, fitness, and the desire of students to repeat the learning. All observations, semi structured interviews, and questionnaires had been analyzed descriptively to get an overview of the implementation of inclusive gaining knowledge of in the area of bodily education.

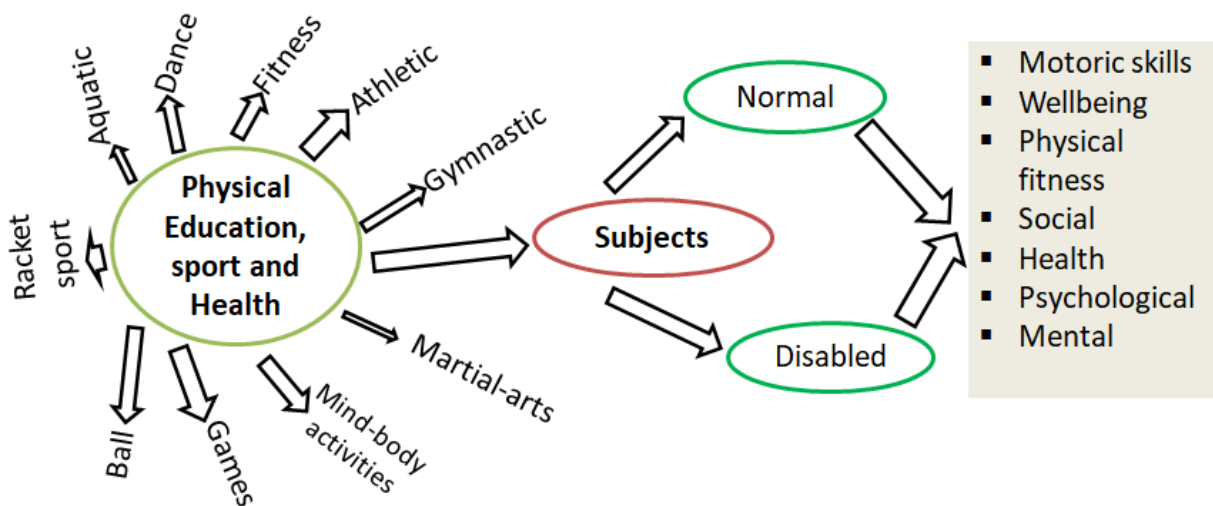
Critical old physical education learning	Development of the new physical education inclusive model
<ol style="list-style-type: none"> 1. Missing of combine document for normal and disable students 2. No adaptative equipment 3. General training 4. No involvement of the students in learning 5. No inclusive of disable students 6. No parenting of disable students 	<ol style="list-style-type: none"> 1. Combine documents for normal and disable students 2. With adaptative equipment 3. Individual training 4. With involvement of student in the learning 5. With inclusive of disable students 6. Parenting of disable students

The expected program of physical education, and sport and health inclusive will include the disable students in all the sports like athletic, games, ball, dances, physical fitness, racket sport, aquatic sport, gymnastic, and martial arts. The inclusion of disable students in all fields of sports will help both normal student and disable student to improve motor skills, wellbeing, health, social interaction.

3. Result

The result of this study was a modified physical education inclusive model based on the old model which has been added disable subjects, adaptative material according to the capacity of each one. The teacher will be the center of in making corresponding of needs of each student.

The modified model of learning Physical Education, Sport and Health



Before physical Education and Sport was taught but without including the disabled children, the modified model was to include disabled students, and to show to the teachers how they can consider them according to their capacity, we taught teachers to be creative and adaptive for each kind of disability. They have to generate an easy game or physical activity which included all. Disabled children gained the same benefit from physical education and sport, they also become healthy physical and mental

4. Discussion

Based on the research problem, the researchers began to teach the physical education teachers how they could modify the old program in adding inclusive program. The researchers taught the physical education teacher how they have to be creative, to manage all situations happened like to imagine the type of game, exercise corresponding to the disability of each student. The teachers have been taught how they can interact in physical education learning. Physical schooling can be extremely particular due to the interactive and physical nature of education (Kudláček, Baloun, & Ješina, 2018). The lookup confirmed that there are typical physical and social interactions among college students with and barring disabilities; security and participation have to be guaranteed by using instructors and trainer assistants. Inappropriate adaptations in physical schooling shortly led to social exclusion. Inclusive bodily education can be an fantastic strategy to work with a toddler with incapacity (Goodwin & Watkinson, 2000), and it can work besides negatively affecting friends without disabilities (Kodish, Kulinna, Martin, Pangrazi, & Darst, 2006). The result showed that physical education teachers have lack of methods learning, creative knowledge, but at the end of the training all of them have sweet able methods, and increasing creative knowledge. Specific obstacles to inclusive physical schooling are insufficient instructor education and expert development, lack of competence, confined aid (Morley, Bailey, Tan, & Cooke, 2005), large class sizes, time and administrative needs such as improved forms (Joffe et al., 2006), as well as low self-efficacy to educate students with disabilities. The success of inclusion in physical training is radically increased when support, personnel, coaching and high quality attitudes exist (Dinold et al., n.d, Jerlinder, Danermark, & Gill, 2010). Resource specialists/ tailored physical training consultants are the critical assist and useful resource for inclusive physical education (Kudlacek, Jesina, & Sterbova, 2008). Developing study applications at universities and teacher-training institutions specialising in adapted physical education would consequently be greatly beneficial. Facilities and tools want to be adapted to facilitate participation of all college students (Fejgin, Talmor, & Erlich, 2005), (Dewanti, Tarigan, Budiana, Hendrayana, & Nur, 2020)

Inclusive training with its roots in the Sixties (Taylor, 2016), has emerged as the core of training reforms worldwide in the previous 30 years, and is presently common educational practice in most European nations (Ainscow, 2006), (Florian, 2008). While inclusive education is managed via worldwide and country wide legislation, many obstacles have been encountered and inclusive education is criticized for failing to supply evidence of being an appropriate educational placement for all students (Florian, 2008). The lookup showed out a sturdy interactive collaboration between youth with incapacity and students without disability. Teachers have learnt how to supervise those new instances without any excluded. One of the common grounds to talk about and learn about inclusive training can be Framework for interrogating inclusive practice (IPAA) which works with three main assumptions of inclusive schooling. (Ryan, Florian, & Spratt, 2014).

Findings confirmed that key motives for non-participation in physical recreation and sport programs in the college have been inadequate game facility 74.6%, overcrowded facility 73%, unorganized recreation software 63.5%, lack of game facility 58.7%, lack of sport variety 57.1%, inaccessible facility 49.2%, no coaches 47.6%, unfriendly time for game 39.7%, dangerous recreation gear 38.1%, inappropriate conduct of activity personnel 36.5% and 34.9% was once due to unskilled sport personnel (Bailasha et al., 2020).

Physical education, sport and inclusive were found as a strong instrument for integration students with different capacity. In the above study physical education teachers got many skills of how to include disabled children in all games. At the end, it has been found that all the students: normal and disabled students got the same benefits from physical education. The key word of from this research was to motivate the physical education teacher to become more creative in order to solve whatever challenge happened. To avoid discrimination during teaching.

5. Conclusion

This study is somehow to describe how physical education, sport and health by inclusive increasing the teacher's competence, students collaboration, wellbeing, physical, social and competence of students. The constructionism can be used to study and recognize students with disabilities via the that means and manufacturing of disability. As a way to transform pedagogy, a social constructionist perspective encourages practitioners in regularly occurring physical training to reconstruct incapacity in light of the environmental helps and the affect of the setting in ways that inspire students with disabilities to be energetic learners.

In general, teachers still have difficulty in managing inclusion learning at primary schools because special infrastructure and facilities for disability are not totally available yet, and specific instructional models for inclusive schools are limited.

Most teachers face difficulty in compiling learning variations to keep children excited, so that inclusive physical education implementation in Yogyakarta has not been optimal. Inclusive physical education in this study refers to the Developing of a leaning model of physical education, sport and Health in inclusive primary school in order to provide teacher supporting in teaching.

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Conflict of Interest

No potential conflict of interest was reported by the authors.

References

1. Ainscow, M. (2006). 10.1007%2F978-1-4020-2222-2_12. Retrieved from <http://www.springerlink.com/index/R1252956HN461L22.pdf>
2. Azzarito, L., & Solmon, M. A. (2006). A feminist poststructuralist view on student bodies in physical education: Sites of compliance, resistance, and transformation. *Journal of Teaching in Physical Education*, 25(2), 200–225. <https://doi.org/10.1123/jtpe.25.2.200>
3. Bailasha, N. K., Rintaugu, E. G., Kamau, J., Mwangi, F. M., Mucike, C. M., & Otieno, M. D. (2020). Institutional based reasons for students non-participation in physical activity and sport programs in the Kenyan public universities. *International Journal of Human Movement and Sports Sciences*, 8(1), 17–23. <https://doi.org/10.13189/saj.2020.080102>
4. Dewanti, R. A., Tarigan, B., Budiana, D., Hendrayana, Y., & Nur, L. (2020). Developing a new model of resistance-based strength train and its effects on junior athletes' tennis serve performance. *International Journal of Human Movement and Sports Sciences*, 8(5), 229–234. <https://doi.org/10.13189/saj.2020.080510>

5. Dinold, M., Frq, D. U. H., Dqg, U., Ihz, R. Q. O., Txdolw, J., Duh, V., ... Lq, F. (n.d.). CHALLENGES OF (INCLUSIVE) PHYSICAL EDUCATION (IPE) IN EUROPE. 3, 81–83.
6. Fejgin, N., Talmor, R., & Erlich, I. (2005). Inclusion and burnout in physical education. *European Physical Education Review*, 11(1), 29–50. <https://doi.org/10.1177/1356336X05049823>
7. Florian, L. (2008). Special or inclusive education: Future trends. *British Journal of Special Education*, 35(4), 202. <https://doi.org/10.1111/j.1467-8578.2008.00402.x>
8. Goodwin, D. L., & Watkinson, E. J. (2000). Inclusive physical education from the perspective of students with physical disabilities. *Adapted Physical Activity Quarterly*, 17(2), 144–160. <https://doi.org/10.1123/apaq.17.2.144>
9. Griggs, G., & Ward, G. (2012). Physical Education in the UK: Disconnections and reconnections. *Curriculum Journal*, 23(2), 207–229. <https://doi.org/10.1080/09585176.2012.678500>
10. Hay, P. J., & Lisahunter. (2006). 'Please Mr Hay, what are my poss(abilities)?: Legitimation of ability through physical education practices. *Sport, Education and Society*, 11(3), 293–310. <https://doi.org/10.1080/13573320600813481>
11. Jerlinder, K., Danermark, B., & Gill, P. (2010). Swedish primary-school teachers' attitudes to inclusion - the case of PE and pupils with physical disabilities. *European Journal of Special Needs Education*, 25(1), 45–57. <https://doi.org/10.1080/08856250903450830>
12. Joffe, S., Fernandez, C. V., Pentz, R. D., Ungar, D. R., Mathew, N. A., Turner, C. W., ... Kodish, E. (2006). Involving children with cancer in decision-making about research participation. *Journal of Pediatrics*, 149(6). <https://doi.org/10.1016/j.jpeds.2006.08.027>
13. Kirk, D. (2018). Physical education-as-health promotion: Recent developments and future issues. *Education and Health*, 36(3), 70–75.
14. Kodish, S., Kulinna, P. H., Martin, J., Pangrazi, R., & Darst, P. (2006). Determinants of physical activity in an inclusive setting. *Adapted Physical Activity Quarterly*, 23(4), 390–409. <https://doi.org/10.1123/apaq.23.4.390>
15. Kudláček, M., Baloun, L., & Ješina, O. (2018). The development and validation of revised inclusive physical education self-efficacy questionnaire for Czech physical education majors. *International Journal of Inclusive Education*, 0(0), 1–12. <https://doi.org/10.1080/13603116.2018.1451562>
16. Kudlacek, M., Jesina, O., & Sterbova, D. (2008). the Nature of Work and Roles of Public School Adapted Physical Educators in the United States. *European Journal of Adapted Physical Activity*, 1(2), 45–55. <https://doi.org/10.5507/euj.2008.008>
17. Luz Yolanda Toro Suarez. (2015). No 主観的健康感を中心とした在宅高齢者における健康関連指標に関する共分散構造分析 Title. 1–27.
18. McCuaig, L., Quennerstedt, M., & Macdonald, D. (2013). A salutogenic, strengths-based approach as a theory to guide hpe curriculum change. *Asia-Pacific Journal of Health, Sport and Physical Education*, 4(2), 109–125. <https://doi.org/10.1080/18377122.2013.801105>
19. Morley, D., Bailey, R., Tan, J., & Cooke, B. (2005). Inclusive Physical Education: Teachers' views of including pupils with Special Educational Needs and/or disabilities in Physical Education. *European Physical Education Review*, 11(1), 84–107. <https://doi.org/10.1177/1356336X05049826>
20. National Association for Sport and Physical Education; American Heart Association. (2010). Status of physical activity in the USA. Retrieved from https://www.heart.org/idc/groups/heart-public/@wcm/@adv/documents/downloadable/ucm_308261.pdf
21. Physical, M., & Dynamic, E. (n.d.). OECD Future of Education and Skills 2030.
22. Qi, J., & Ha, A. S. (2012). Inclusion in Physical Education: A review of literature. *International Journal of Disability, Development and Education*, 59(3), 257–281. <https://doi.org/10.1080/1034912X.2012.697737>
23. Ryan, C., Florian, L., & Spratt, J. (2014). *European Journal of Special Needs Education* Enacting inclusion: a framework for interrogating inclusive practice. (May 2013), 37–41. Retrieved from <http://www.tandfonline.com/loi/rejs20%5Cnhttp://dx.doi.org/10.1080/08856257.2013.778111>
24. Tabuñar Fortunado, I. (2016). An Overview to Game Theory, Physical Education and Sports, Its Thirteen Essentials and Categories. *Education Journal*, 5(5), 92. <https://doi.org/10.11648/j.edu.20160505.12>
25. Taylor, J. J. (2016). Book Review: A Teacher's Guide to Adapted Physical Education: Including Students with Disabilities in Sports and Recreation, 4th Edition. *Frontiers in Public Health*, 4, 430. <https://doi.org/10.3389/fpubh.2016.00197>