COMPARISON OF MOTOR CREATIVITY OF B.P.ED. GIRLS AMONG VARIOUS INSTITUTIONS

A THESIS SUBMITTED TO THE VIDYASAGAR UNIVERSITY



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CERTIFICATE BY THE SUPERVISOR

This is to certify that the research work entitled "COMPARISON OF MOTOR CREATIVITY OF B.P.ED. GIRLS AMONG VARIOUS INSTITUTIONS". Completed by Kalyani Das, under my guidance and Supervision is her original work. She has completed her work during semester IV for the requirement of course code MPPC-403 of the degree M.P. Ed as a regular student of The Department of physical Education, Mugberia Gangadhar Mahavidyalaya, under Vidyasagar University in the year of 2024.

The dissertation is satisfactory from the point of content and language and fulfils the requirements related to M.P. Ed degree thus approved and forwarded for the evaluation.

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Declaration

I do hereby declare that research work entitles "comparison of motor creativity of B.P.ED. girls among various institutions" is an original piece of work done by me under the supervision of Dr. Anjan Konai, assistant professor, Department of Physical Education, Mugberia Gangadhar Mahavidyalaya. I have specified, by means of reference, the source of information.

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ABBREVIATION

1.	Cm	Centimeter
2.	Yrs	Years
3.	Ht	Height
4.	Kg	Kilogram
5.	Wt	Weight
6.	Min	Minute
7.	Sec	Second
8.	Mn	Mean
9.	Sd	Stander Deviation
10.	No	Number
11.	Fig	Figure
12	B.P.Ed	Bachelor of physical education
13	i.e.	Id est
14	Sum	Summation
15	SPSS	Statistical package for social science
16	ANOVA	Analysis of Variance
17	LSD	Least Significant Difference
18	In	Inch
19	Df	Degrees of Freedom

CHAPTER - V

SUMMARY, CONCLUSION AND RECOMMENDATION

In this chapter summary of the total work done of this dissertation as describe in previous chapter has been delimited. The conclusion drawn from the result and recommendation for future research work have also been presented here.

5.1 SUMMARY OF THE STUDY:

Creativity: Creativity is the ability or capacity of an individual to discover, create or Produce a new innovative idea or object including the reshaping or re-arrangement of what is already well known to him. Creativity is universal, it is not limited to anyone specific field or to any specific individual. It is differing from individual to individual and from field to field.

Creativity consists of three main components that are Fluency, Flexibility and Originality

Fluency: It is the ability to response creatively to a particular stimulus as many numbers of times as possible within a specific limited time.

Flexibility: It is the ability to response creatively to a particular stimulus in as many different ways as possible within a specific time.

Originality: It is the ability to response creatively to a particular stimulus in the most uncommon way. –The more uncommon, the more originality.

Motor Creativity: It is the ability of an individual to express creatively through motor movement and motor behavior is termed as motor creativity. It is the combination of creative thinking and motor ability through creative motor movements.

Motor creativity is a type of rhythmic activity. A number of humanistic approaches have been explored in synchronization with appropriate complements by changing standing, walking or body posture movements. Indian motor creativity and physical education have an important component in student activities.

B.P.Ed activities are highly effective on motor creativity. So those people who regularly involves in these activities then they can improve their motor creativity movement.

PURPOSE OF THE STUDY

- To compare the difference in Motor Creativity among girls from various physical education institutions.
- To observed the Motor Creativity status among girls from various physical education institutions.

Study of the Literature which was followed by the investigation from the year of 1973 to 2019 are mention in this chapter 2 chapter deals with literature related to the present study the investigator and researcher got an idea of the work that has already particular field and also how much in needed to draw proper conclusion.

Chapter 3, the methodology deals the subject, criterion measure, instruments, and tools used the design and procedure for collection data administering and test for the study were described. The selection of the subject was considered. To conduct this study 120 girls B.P.Ed students were selected from different type of Institutions such as University Department, Government College and Self Finance College for the present study. Out of 120 subjects, 40 subjects were selected from each Institution. The age range of the subjects between 20 to 25 years. The B.P.Ed students were selected from Jadavpur University, Government Physical Education College for Women (Hooghly), Post Graduate Government Institution Of Physical Education (Banipur), Mugberia Gangadhar Mahavidyalaya and Garhbeta College. subjects were performed of the test with the stipulated time. For the measured of Motor Creativity Ghosh and Konai Motor Creativity Test battery were selected. All the tests were conduct through standard procedure as per test manual. The data were collected through the video recording. After collecting the data descriptive statistic and ANOVA was used for analyzing the data. All the data was calculated by using the SPSS (statically package for social science) version 20 free software and MS Excel 2016.

5.2 CONCLUSION

- In Fluency score Government College was statistically better than the University Department and Self Finance College but there was no significant different were found between University Department and Self Finance College and also Government College and Self Finance College.
- In Flexibility score Self finance College was statistically better than the University Department, Self-Finance College and Government College.
- iii. In Originality score University Department was statistically better than the Government College and Self Finance College but there was no significant different were found between University Department and Government College.
- iv. In Motor Creativity Score Government College was statistically better than the University Department and Self Finance College but there was no significant University Department and Self Finance College.

5.3 RECOMMENDATION

An interested researcher may take up future studies in light of the finding of the present study in the following area: -

- i. The same study may be conducted for male students.
- ii. The study may be conducted with large number of samples.
- iii. The study may be taken up other age group.
- iv. The study might be conducted of other institutions.

BIBLIOGRAPHY

A. Books

- Barrow, H.M., and Mc Gee, (1997). A Practical Approach to Measurement in Physical Education, 3rd Edition. Philadelphia: Lea & Febiger.
- Baumgarther, A. Ted., and Jackson, S. Andrew. (1991). Measurement for Evaluations in Physical Education and Exercise Sciences, New York: Wm.C. Brown Publishers.
- Clark, D.H. and Clark H. (1976). Application of Measurement of Health and Physical Education. (5th Edition). New Jersey: Prentice-Hall Inc.
- Henery E.Garrett, (2011). Statistics in Psychology and Education 14th Edition, Publisher by Paragon International Publishers 5, Ansariroad, New Delhi-110002.
- Henry, G. (2014). Statistics in Psychology and Education. 10th Indian reprint, published by Mrs. A. F. Shalkh for Vakils, Feiffer and Simons Ltd, Bombay, India.
- Johnon, B.L., and Nelson, J.K. (1982). Practical Measurement for Evaluation in Physical Education, (4th Edition). New York: Macmillan Publishing Company.
- Kansal K. D. (2012). A Practical Approach to test Measurement and evaluation (1st edition). New Delhi, India: SSS Publication.
- Lokesh, K. (1984) Methodology of educational research. New Delhi: Vikash Publishing House.

B. Journal

- Singh, S., Singh, G. and Bal. B. S. (2018). Norms construction for physical fitness test items of handball players. *International Journal of Physiology*. Nutrition and Physical Education 2018; 3(1).
- Sirijaruwong, C. and Kosa, B. (2006) A Construction of Health Related Physical Fitness Norms for Students of Rajamangala University of Technology Thanyaburi. Kasetsart Journal of Social Sciences (KJSS) Vol. 27 No.2. https://so04.tci-thaijo.org/index.php/kjss/article/view/246406

- Sylvester, F. & Madhuri, S. (2021). Construction of Physical Fitness Norms for Six to Eight Grade Boys of Mumbai City. *Proteus Journal*. Vol. 12 (1). http://proteusresearch.org/gallery/pj-2795.07-f.pdf.
- Mohite, B. C. (2011). Computation of Physical Fitness Norms for Girls the Junior Colleges in Barshi Taluka. *Indian Streams Research Journal*, Vol. 1, Issue II, pp.49-50. Retrieved from http://oldisrj.lbp.world/UploadedData/49.pdf
- O'Neill, D. K. V. S. (1982). The Development of a Refined Movement Analysis and its Relationship to Motor Creativity among Grade Two Children. *Ph.D. Thesis, University of Oregon, Dissertation Abstract International*. Vol. 43. No, p. 396A. https://search.mnlink.org/
- Ghosh, M. C. (1988). A Study in Creativity, Motor Ability and Motor Creativity of Adolescent Students. Unpublished Doctoral thesis in Physical Education, University of Kalyani, West Bengal, India.
- Patrizia.S, Tocci.N, Pesce.C.(2011) Motor Creativity and Creative Thinking in Children: The Diverging Role of Inhibition. *Creativity Research journal*. Volume 23, 2011 Issue 3. https://doi.org/10.1080/10400419.2011.595993. https://psycnet.apa.org/record/2011-18350-008
- Domínguez.A, PinoDíaz-Pereira.M, Martínez-Vida.A. (2015). The evolution of motor creativity during primary education. Vol. 10 No. 2, ISSN 1988-5202. Journal of human Sports and Exercise. DOI: https://doi.org/10.14198/jhse.2015.102.05
- Santos. S, Monteiro.D Uncovering the Role of Motor Performance and Creative Thinking on Sports Creativity in Primary School-aged Children. Creativity Research Journal .DOI:10.1080/10400419.2020.1843125

 https://www.researchgate.net/publication/346081525
- Abdulla, A. M., Paek, S. H., Cramond, B., & Runco, M. A. (2020). Problem finding and creativity: A meta-analytic review. Psychology of Aesthetics, Creativity, and the Arts, 14(1), 3-14. https://doi.org/10.1037/aca0000194.

- Das.Raghunath, K.Anjan, Ghosh.M.C (2020) Relation between motor creativity and selected motor fitness variable of different groups of rhythmic activity. International Journal of Physical Education, Sports and Health 2021; 8(1): 158-161. DOI: https://doi.org/10.22271/kheljournal.2021.v8.ilc.1987
- Takin.M, Ari.Y, Kara.A, Senger.K, Kapcak.V, Ozmutlu.I (2022) The Effect of Motor Skills on the Creative Thinking Levels of Secondary School Students. 395(1):42-59. https://www.researchgate.net/publication/358695526

C. Website

www.googleweblight.com

https://scholar.google.com/

https://www.google.co.in

http://shodhganga.inflibnet.ac.in/

https://www.ncbi.nlm.nih.gov/pubmed/