



EVALUATION OF QUALITY OF EDUCATIONAL RESEARCH -- A STUDY

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ABSTRACT

Research is a vast and multidimensional concept. It's an endless quest for knowledge or unending search for truth. Research is being undertaken in different faculties like social sciences, Natural Sciences, Commerce, Engineering, Medicine, Agricultural Sciences, Business Administration etc.

Education is an integral part of human life. The quality of education determines the quality of the individuals. The research in the field of education helps to improve the quality of education. The evaluation educational research determines its quality.

Statement of the problem:

Evaluation of quality of Educational Research-A study.

Operational Definitions of the terms

1) Evaluation:

Assessment of Doctoral Research Reports with the help of RRES from different universities in Maharashtra & assigning a category to them.

2)Quality:

Relative nature of Doctoral Research Reports selected for the present research.

3) Educational Research:

The research undertaken for the Doctoral Degree of different universities in the state of Maharashtra.

Significance of the present Research

The present research will help

- 1) For self-evaluation of Educational Research Reports with the help of RRES.
- 2) To improve the quality of educational research.
- 3) To find out the strengths and weaknesses of educational research reports.
- 4) To enhance the strengths and to minimize the weaknesses of educational research reports.
- 5) To classify the educational research reports in different categories.

Limitations & delimitations

- 1) Research Reports from only Educational faculty were considered for the present study. Research reports other than Education faculty are not considered.
- 2) Only Doctoral Research Reports are considered for the present study. M.Phil, M.Ed, Action Reser Reports at D.T. Ed., D.S.M., Teacher-Training programs are not considered.
- 3) Doctoral Research Reports from different universities (Traditional and open) in the state Maharashtra are considered for the present study.

Objectives the study.

- 1) To prepare the RRES to evaluate the Research Reports
- 2) To evaluate the quality of research report with the help of RRES.
- 3) To classify the research reports evaluated into appropriate categories.
- 4) To analyse the research reports criteria wise.
- 5) To find out the common strengths and weaknesses of the research reports evaluated.
- 6) To suggest remedial measures to improve the quality of research reports in Education

Procedure

- 1) The present researcher prepared a five point Research Report Evaluation scale (RRES) based on the criteria of evaluating a Research report given by John W Best and James V. Kahn.
- 2) While preparing the RRES, the present researcher interacted with the experts for their guidance.
- 3) The researcher evaluated 10 Doctoral Research Reports in Education with the help of RRES and based on the score the research reports were categorized into different categories
- 4) The data gathered were analysed criteria wise to find out the individual and common strength & weaknesses.
- 5) Based on the statistical analysis the conclusions were drawn and suggestions were made to improve the quality of doctoral research reports in Education.

Statistical Analysis and interpretation:

- 1) Classification of Research Reports studied for the present study. Five categories were used to classify the research reports evaluated.

Table 1 Classification of Research Reports

Sr No	Quality Range (%)	No of Reports	Percentage	Remark
1	81 % - 100 %	01	10%	Excellent
2	61 % - 80 %	09	90%	Superior
3	41 % - 60 %	00	00%	Good
4	21 % - 40 %	00	00%	Average
5	00 % - 20 %	00	00%	Poor

From the table No. 1 it is inferred that, 10% of the research reports were found to be of Excellent quality and 90% research reports were found to be of superior quality.

Criteria wise analysis of individual Research Report.

Criteria and analysis score in percentage

Table 2 Criteriawise analysis of individual Research reports

Sr No	Title	Prob & Hypo.	Review	Method	Result	Discussion	Tech. Aspect	Integrated %
Criteria No	1	2	3	4	5	6	7	
1	80	73	88	63	93	88	82	80
2	80	70	92	80	93	72	83	81
3	70	50	64	43	67	56	77	61.5
4	90	80	80	54	93	84	80	77.5
5	90	73	80	60	87	88	80	77.5
6	80	57	52	57	87	60	73	65
7	70	77	76	57	60	80	72	70
8	90	67	68	57	87	64	68	68
9	60	77	64	49	87	68	68	66.5
10	60	73	60	46	80	72	63	64

Table 3 Interpretation

Res Report No	Quality wise Criteria No					Category Allotted
	Excellent	Superior	Good	Average	Poor	
1	3, 5, 6, 7	1, 2, 4	-----	-----	-----	Superior
2	3, 5, 7	1,2,4, 6	-----	-----	-----	Excellent
3	-----	1,3, 5, 7	2, 4, 6	-----	-----	Superior
4	1, 5, 6	2, 3, 7	4	-----	-----	Superior
5	1, 5, 6	2, 3, 7	4	-----	-----	Superior
6	5	1, 7	2,3,4,6	-----	-----	Superior
7	-----	1,2,3,6,7	4, 5	-----	-----	Superior
8	1, 5	2, 3, 6, 7	4	-----	-----	Superior
9	5	2, 3, 6, 7	1, 4	-----	-----	Superior
10	-----	2, 5, 6, 7	1, 3, 4	-----	-----	Superior

Table 4 Common Strength & Weakness of Research Reports

Sr No	Criteria	Categories of Research Reports with Percentage				
		Excellent	Superior	Good	Average	Poor
1	Title	30	50	20	-----	-----
2	Prob. & Hypo	-----	80	20	-----	-----
3	Review	20	60	20	-----	-----
4	Method	-----	20	80	-----	-----
5	Results	70	20	10	-----	-----
6	Discussion	30	50	20	-----	-----
7	Tech. Aspects	20	80	-----	-----	-----

From the table No. 4 the results section may be called as common strength of research reports studied and method may be called as the common weakness of the Research Reports.

***CONCLUSIONS:**

- 1) RRES has been prepared
- 2) The research reports under study were evaluated with the help of RRES
- 3) 10 % Research Reports were found to be of Excellent and 90% of them were found to be of superior quality.

4) Criteria wise analysis of individual research reports studied.

- 1) **Res. Report No.1** was found to be excellent Wit criteria No. **3, 5, 6, 7** and to be superior Wrt. Criteria No. **1, 2, 4** and classified under **superior category**.
- 2) **Res. Report No.2** was found to be **excellent** Wit criteria No. **3, 5, 7** and to be **superior** Wit. Criteria No. **1,2,4,6** and classified under **excellent category**.
- 3) **Res Report No.3** was found to be **superior** Wit criteria No. **1, 3, 5, 7** and to be superior Wrt Criteria No. **2, 4, 6** and classified under **superior category**.
- 4) **Res Report No.4** was found to be **excellent** Wit criteria No. **1, 5, 6** and to be **superior** Wrt. Criteria No. **2, 3,7** and **good** at criteria No. **4** and classified under **superior category**
- 5) **Res. Report No.5** was found to be **excellent** Wrt criteria No. **1, 5, 6** and to be **superior** Wit, Criteris No. **2, 3,7** and **good at** criteria No. **4** and classified under **superior category**
- 6) **Res Report No.6** was found to be **excellent** Wit criteria **No. 5** and to be **superior** Wit. Criteria No**1,7** and **good** at criteria No. **2, 3, 4, 6** and classified under **superior category**
- 7) **Res. Report No. 7** was found to be **superior** Wrt criteria No. **1, 2, 3, 6, 7** and to be **good** Wrt Criteria No. **4, 5** and **classified** under **superior category**.
- 8) **Res Report No.8** was found to be **excellent** Wrt criteria **No. 1, 5** and to be **superior** Wrt. Criteria No. **2, 3, 6, 7** and **good at criteria No. 4** and classified under **superior category**.

- 9) **Res. Report No.9** was found to be **excellent** Wrt criteria **No. 5** and to be **superior** Wrt Criteria **No. 2, 3, 6, 7** and **good** at criteria **No. 1 & 4** and classified under **superior** category
- 10) **Res Report No. 10** was found to be **superior** Wrt criteria **No. 2, 5, 6, 7** and to be **good** Wrt Criteria **No. 1, 3, 4** and classified under **superior** category.

5) Common Strengths and weaknesses:

Presenting the Result section is found to be the common strength and method section is the common Weakness.

SUGGESTIONS:

- 1) The Researcher should study the method section more rigorously
- 2) The B. Ed. Institutes and University should arrange seminars, workshops , conferences regarding the methods of research.
- 3)The international titles in educational research should be translated in Marathi
- 4)The paper on Research Methodology should be incorporated at B.Ed, level curriculum.

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