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Assessing the Effectiveness of Decentralized Education Policies in Rural Oromia: Evidence from Jarso Woreda

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Abstract*: This study evaluates the effectiveness of education policy implementation in Jarso Woreda, Oromia Region, focusing on its impact on access, quality, and student learning outcomes. Despite national reforms like the Education and Training Policy (ETP), local implementation in rural areas faces persistent challenges, including fluctuating dropout rates and high failure rates in national examinations. The research utilized a pragmatic paradigm and a convergent mixed-methods case study design. Data were collected through structured questionnaires, semi-structured interviews, and document reviews from a sample of 372 participants, including students, teachers, and education officials. Analysis involved both descriptive and inferential statistics (correlation and regression) alongside thematic analysis. The findings reveal that policy implementation has been highly effective in improving student enrollment (Mean = 4.12) and school facilities (Mean = 3.90). However, student achievement (Mean = 3.67) and the availability of learning materials (Mean = 3.42) received lower ratings, indicating that efforts to expand access have outpaced improvements in educational quality. Regression analysis identified access, curriculum alignment, and quality emphasis as the strongest predictors of positive educational outcomes. The study identifies material shortages and teacher training gaps as the primary barriers to success, while community support emerged as the most significant enabling factor. To bridge the gap between policy intentions and outcomes, the study recommends strengthening resource allocation, enhancing teacher professional development, and sustaining community participation.*

Keywords: Jarso Woreda, Education Policy Implementation, Access and Quality, Student Achievement, Mixed-Methods, Challenges and Enabling Factors.

INTRODUCTION

Background of the Study

Education is widely recognized as a fundamental driver of national development, social transformation, and human capital development. In Ethiopia, successive education reforms implemented over the past three decades have sought to expand access, enhance quality, and promote equity within the education system. A significant milestone in this reform process was the introduction of the Education and Training Policy (ETP) in 1994, which emphasized the democratization of educational opportunities, increased community participation, and the alignment of education with national socio-economic development priorities (FDRE, 1994).

To translate the objectives of the ETP into practice, the Ethiopian government introduced a series of Education Sector Development Programs (ESDP I–VI) and complementary initiatives, including the School Improvement Program (SIP). These interventions aimed to strengthen education service delivery by decentralizing planning, improving school governance, enhancing accountability, and promoting evidence-based decision-making at regional, woreda, and school levels. A central component of these reforms was the School Development Plan (SDP), which was designed to provide a structured framework for schools to identify challenges, allocate resources, monitor progress, and improve educational outcomes (MoE, 2015; UNESCO, 2022).

Despite these extensive policy efforts, translating national education strategies into meaningful outcomes at the local level remains a persistent challenge. The gap between policy intentions and actual implementation has become evident in many rural areas where institutional capacity, resource availability, and stakeholder engagement influence the effectiveness of education reforms. Jarso Woreda, located in the Oromia Regional State, represents one such context where the practical realities of education policy implementation require closer examination. Evidence from annual reports of the Jarso Woreda Education Office (2013–2017) indicates continuing challenges related to student access, retention, and academic achievement.

During the period under review, student dropout rates demonstrated considerable fluctuations across grades one to twelve. In 2013, approximately 12.0% of enrolled students (1,677 out of 13,973) dropped out of school. Although this rate declined to 6.2% in 2014, it increased again to 8.7% in 2015 and 10.9% in 2016. Similarly, the proportion of school-age children who remained outside the education system consistently ranged between 11.1% and 12.8% during the same period. These trends suggest that, despite government

efforts to expand educational opportunities, achieving universal access and equitable participation remains a significant challenge in Jarso Woreda (Jarso Woreda Education Office, Annual Reports 2013–2017).

Concerns regarding education quality are further reflected in student academic performance indicators. Grade 8 examination results showed relatively low failure rates in 2013 (0.4%) and 2014 (0%), but the failure rate increased substantially to 79.9% in 2015, 30.2% in 2016, and 31.5% in 2017. Similarly, Grade 12 examination outcomes revealed serious learning challenges, with failure rates increasing from 42.4% in 2013 to nearly 99% between 2015 and 2017. Although variations and possible reporting inconsistencies exist in some figures, the overall pattern indicates persistent weaknesses in teaching effectiveness, school leadership, learning support systems, and the implementation of school-level improvement strategies (Jarso Woreda Education Office, Annual Reports 2013–2017).

Several interconnected factors contribute to these ongoing challenges. Limited availability of qualified teachers, inadequate teaching and learning materials, insufficient infrastructure, and constrained school resources have affected the effective implementation of education policies. Moreover, meaningful participation of parents and communities, which is essential for successful school improvement initiatives, remains limited in many rural settings. Although School Development Plans (SDPs) are intended to support strategic planning, monitoring, and continuous improvement, evidence suggests that some schools prioritize administrative compliance and documentation rather than using SDPs as practical tools for improving teaching and learning outcomes (MoE, 2015).

Furthermore, weak monitoring and evaluation mechanisms at woreda and school levels have reduced the capacity to identify implementation gaps, track progress, and introduce timely corrective actions. Consequently, disparities between policy objectives and educational realities continue to exist, particularly in relation to access, retention, quality improvement, and student achievement. Effective implementation requires not only well-designed policies but also adequate institutional capacity, leadership commitment, stakeholder engagement, and context-sensitive strategies.

Existing studies on education policy implementation in Ethiopia have predominantly focused on national and regional-level reforms, while relatively limited attention has been given to the realities of policy implementation at the woreda level. As a result, insufficient evidence exists regarding how frontline actors—including teachers, school principals, education officials, and parents—understand, interpret, and implement education policies within specific local contexts. Moreover, the influence of socio-economic conditions, institutional capacity, and leadership practices on education outcomes requires further empirical investigation.

Understanding these local-level dynamics is critical for improving the effectiveness of education reforms and ensuring that national policies are responsive to community realities. Therefore, this study aims to provide an empirical assessment of education policy implementation in Jarso Woreda by integrating quantitative and qualitative evidence to examine implementation practices, challenges, and outcomes.

In conclusion, while Ethiopia has made significant progress in expanding educational access and strengthening education sector policies, Jarso Woreda continues to experience substantial challenges related to enrollment, retention, and academic performance. These challenges reflect broader implementation issues, including limited stakeholder participation, inadequate resource allocation, weak utilization of School Development Plans, and insufficient monitoring systems. Addressing these gaps requires context-specific evidence and practical policy interventions that can strengthen the connection between policy formulation and implementation at the grassroots level (Jarso Woreda Education Office, Annual Reports 2013–2017; MoE, 2020).

Statement of the Problem

Ethiopia has established comprehensive federal and regional education policies aimed at expanding access, improving educational quality, and promoting equity throughout the education system. However, the effective translation of these policies into measurable outcomes has varied considerably across local contexts. While national reforms have emphasized decentralization, community participation, and school-level improvement mechanisms, many local education systems continue to experience implementation challenges. Jarso Woreda, a predominantly rural district in the Oromia Regional State, represents a context where the gap between policy intentions and actual educational outcomes remains evident. Data from the Jarso Woreda Education Office annual reports (2013–2017) reveal persistent challenges related to student access, retention, and academic performance despite continuous government interventions and the implementation of decentralized education governance structures.

The seriousness of these challenges is reflected in the instability of student retention patterns. Across grades one to twelve, dropout rates fluctuated considerably during the study period. In 2013, approximately 12.0% of enrolled students (1,677 out of 13,973) dropped out of school. Although this rate declined to 6.2% in 2014, it increased again to 8.7% in 2015 and further to 10.9% in 2016. In parallel, the proportion of school-age children who were not enrolled remained consistently high, ranging from 11.1% to 12.8% during the same period. These trends indicate that, despite policy commitments and expansion efforts, significant barriers continued to limit equitable participation in education, particularly within rural communities (Jarso Woreda Education Office, Annual Reports 2013–2017).

The quality dimension of education also presents a critical concern. Examination results demonstrate significant weaknesses in student learning outcomes. At the Grade 8

level, failure rates were relatively low in 2013 (0.4%) and 2014 (0%), but increased sharply to 79.9% in 2015 and remained considerably high at 30.2% and 31.5% in 2016 and 2017, respectively. Similarly, Grade 12 examination performance showed severe challenges, with student failure rates increasing from 42.4% in 2013 to nearly 99% between 2015 and 2017. Although some variations in reported figures, such as the unusually high failure rate recorded in 2014, may reflect data management limitations, the overall pattern demonstrates persistent problems in instructional quality, school leadership, assessment outcomes, and the practical implementation of School Development Plans (SDPs). These findings suggest that the availability of policy frameworks alone has not been sufficient to improve educational outcomes, particularly in resource-constrained rural settings.

Several interconnected factors contribute to these implementation challenges. The shortage of qualified teachers affects instructional effectiveness and students' learning experiences. Similarly, inadequate teaching and learning materials, limited school infrastructure, and insufficient educational resources constrain schools' ability to implement policy objectives effectively. In addition, limited parental and community engagement reduces the effectiveness of initiatives aimed at improving school participation and student retention. Although School Development Plans were introduced as instruments for improving school governance, planning, resource utilization, and accountability, evidence suggests that some schools have emphasized administrative compliance rather than using SDPs as strategic tools for improving teaching and learning outcomes (MoE, 2015).

Moreover, weak monitoring and evaluation systems at woreda and school levels have limited the capacity of education authorities to identify implementation gaps, track progress, and introduce timely interventions. Effective policy implementation requires continuous assessment, reliable data systems, and strong coordination among education stakeholders. However, weaknesses in these areas have contributed to the persistence of disparities between policy objectives and actual educational outcomes, particularly regarding access, quality improvement, and student achievement.

Existing literature on education policy implementation in Ethiopia has primarily focused on national and regional-level reforms, with relatively limited attention given to woreda-level implementation realities. As a result, there remains insufficient empirical understanding of how frontline actors—including teachers, school principals, education officials, and parents—interpret and implement education policies within specific local contexts. Furthermore, the influence of local socio-economic conditions, administrative capacity, leadership practices, and institutional constraints on policy outcomes requires deeper investigation. This knowledge gap is particularly relevant in Jarso Woreda, where rural conditions, geographic challenges, and limited institutional capacity may shape the effectiveness of education policy implementation.

The decentralization of education governance has also introduced additional complexities. Although decentralization was intended to enhance efficiency by transferring decision-making authority to local governments, many woredas face limitations in financial resources, technical capacity, human resources, and information management systems. Consequently, there is often a mismatch between national policy expectations and the actual capacity of local institutions to implement reforms effectively. This challenge has contributed to uneven policy implementation and reduced the ability of schools to achieve intended educational targets (MoE, 2020).

Therefore, despite substantial policy efforts and institutional reforms, Jarso Woreda continues to experience significant educational challenges characterized by persistent dropout rates, high numbers of out-of-school children, and poor academic achievement. These challenges reflect broader implementation gaps related to limited stakeholder participation, inadequate resource allocation, ineffective utilization of School Development Plans, and weak monitoring mechanisms. Hence, an empirical investigation of education policy implementation at the woreda level is necessary to generate context-specific evidence on the factors influencing policy outcomes. By integrating quantitative and qualitative perspectives, this study seeks to provide practical insights and policy recommendations that can strengthen education service delivery and enhance the translation of national education policies into meaningful improvements at the local level (Jarso Woreda Education Office, Annual Reports 2013–2017; MoE, 2020).

1.3 Objectives of the Study

1.3.1 General Objective

The general objective of this study was to assess the implementation of education policies at the woreda level, with particular emphasis on Jarso Woreda, by identifying major challenges and enabling factors, and by proposing policy recommendations to improve education service delivery.

General Objective of the Study

To assess the implementation of education policies in Jarso Woreda, with particular emphasis on their effectiveness in improving access to education, the quality of education, and student learning outcomes, as well as the challenges and enabling factors influencing their implementation.

Specific Objectives

The study was guided by the following specific objectives:

1. To identify the key education policy objectives implemented in Jarso Woreda.
2. To assess the effectiveness of education policy implementation in improving access to education, the

quality of education, and student learning outcomes in Jarso Woreda.

3. To examine the major challenges and enabling factors influencing education policy implementation and educational outcomes at the woreda level from the perspectives of key stakeholders.

1.4 Research Questions

The study sought to answer the following research questions:

1) What were the key education policy objectives implemented in Jarso Woreda?
2) To what extent were education policies effectively implemented in improving access to education, the quality of education, and student learning outcomes in Jarso Woreda?
3) What were the major challenges and enabling factors influencing education policy implementation and educational outcomes in Jarso Woreda, as perceived by different stakeholders?

RESEARCH METHODOLOGY

3.2 Research Paradigm, Design, and Approach

3.2.1 Research Paradigm

The conceptual framework of this inquiry is anchored in the pragmatic research paradigm, which facilitates a synergistic integration of quantitative and qualitative methodologies to meticulously capture the multifaceted complexities of education policy implementation and its resultant outcomes. This paradigm is particularly salient for the current study as it empowers the researcher to navigate both the objective, empirical dimensions of educational performance—exemplified by enrollment, dropout, and achievement metrics—and the subjective, interpretive dimensions of the educational experience.

These subjective elements encompass the perceptions, phenomenological experiences, and diverse interpretations of key stakeholders, ranging from frontline educators and institutional leaders to students and the broader community. Ultimately, by harmonizing these divergent yet complementary analytical lenses, the study achieves a more comprehensive and nuanced understanding of the operationalization and localized impact of education policies within the specific socio-spatial context of Jarso Woreda.

3.2.2 Research Design

This inquiry utilizes a mixed-methods case study design, a framework meticulously selected to facilitate a granular, context-specific analysis of education policy implementation within the authentic environment of Jarso Woreda.

The case study architecture empowers the researcher to conduct a rigorous examination of institutional practices, structural challenges, and localized outcomes at the woreda level. By synergizing qualitative and quantitative modalities, the study achieves methodological triangulation, which significantly bolsters the validity, reliability, and interpretive richness of the findings. This dual-pronged strategy further enables the cross-verification of empirical data across disparate sources, thereby ensuring a highly accurate and nuanced resolution of the research problem.

3.2.3 Research Approach

This study follows a convergent mixed research approach. In this approach, both qualitative and quantitative data are collected concurrently during the fieldwork stage. The two sets of data are analyzed separately using appropriate analytical techniques and then merged during the interpretation phase to draw integrated conclusions.

The convergent design is appropriate for this study because education policy outcomes involve both numerical indicators and descriptive insights. Quantitative data such as enrollment rates, dropout rates, and teacher–student ratios provide measurable evidence of policy outcomes, while qualitative data such as stakeholder perceptions, experiences, and challenges provide deeper explanations of how and why these outcomes occur.

By integrating both forms of evidence, the study ensures a more holistic understanding of education policy implementation in Jarso Woreda.

3.3 Types and Sources of Data

3.3.1 Types of Data

This study employs both quantitative and qualitative types of data to comprehensively examine education policy implementation in Jarso Woreda.

Quantitative Data:
Quantitative data refers to numerical information that will be used to measure and analyze key indicators of education performance. These include enrollment rates, dropout rates, student–teacher ratios, attendance levels, examination results, and budget or resource allocation patterns. Such data provide measurable evidence for assessing the effectiveness of education policy implementation.

Qualitative Data**:**
Qualitative data refers to non-numerical information collected to capture the experiences, perceptions, opinions, and challenges of stakeholders involved in the education system. This type of data will be obtained through interviews, focus group discussions, and document reviews. It helps to explain the reasons behind observed quantitative trends and provides deeper insight into policy implementation processes.

3.3.2 Sources of Data

The study employed both primary and secondary data sources to provide a comprehensive assessment of education policy implementation in Jarso Woreda. Primary data were collected from key stakeholders, including Woreda Education Office experts, school supervisors, principals, teachers, Parent–Teacher Association (PTA) members, and students, while secondary data were obtained from official reports, Education

Management Information System (EMIS) records, Education Sector Development Program (ESDP) documents, the Education and Training Policy (ETP, 1994), Sustainable Development Goal 4 (SDG 4) documents, school performance reports, and statistical abstracts to complement and validate the primary findings.

3.4 Sampling Design

3.4.1 Study Population and Sampling Frame

The study population consists of all key stakeholder groups involved in the planning, implementation, and evaluation of education services in Jarso Woreda. These groups include students as beneficiaries of the education system, teachers and school principals as frontline implementers, Woreda Education Office experts and school supervisors as administrative and policy-level actors, and Parent–Teacher Association (PTA) members as representatives of the community.

According to official records obtained from the Jarso Woreda Education Office, the total population of the study comprises 10,503 students, 645 teachers, 31 school principals, 3 school supervisors, 23 education office experts, and 137 PTA members, giving a total population of 11,342. In order to ensure clarity, accuracy, and representativeness, separate sampling frames were developed for each category of respondents using school registers, administrative records, and official education office documents. This helped to avoid duplication and population overlap across different groups.

3.4.2 Sampling Units

The study employed both institutional and individual sampling units. The institutional sampling units comprised selected primary and secondary schools in Jarso Woreda, while the individual sampling units included students, teachers, school principals, school supervisors, Woreda Education Office experts, and Parent–Teacher Association (PTA) members. Students were included only for variables related to access, equity, learning conditions, and the school environment to ensure that data collection remained relevant and aligned with the study objectives.

3.4.3 Sample Size Determination

For the quantitative component of the study, the sample size was determined using Yamane's (1967) formula at a 95% confidence level and a 5% margin of error. This formula is widely used for determining an appropriate sample size from a finite population.

The total population of the study is 11,342. Therefore, the sample size was calculated as follows:

[n = \frac{N}{1 + N(e^2)}]

Where:

- (n) = sample size
- (N) = total population (11,342)
- (e) = margin of error (0.05)

= 386

Thus, the required quantitative sample size is 386 respondents**.**

A mixed sampling strategy was employed to ensure both representativeness and in-depth policy evaluation. Proportional simple random sampling was used to select 320 students and 40 teachers, while purposive sampling was applied to 26 institutional stakeholders, including school principals, supervisors, Woreda Education Office experts, and PTA representatives. Additionally, 26 purposively selected key informants—comprising education experts, principals, teachers, PTA leaders, and students—participated in the qualitative component to provide contextual insights and facilitate data triangulation.

3.5 Sampling Techniques and Procedures

This study employed a combination of census, stratified, and simple random sampling techniques to ensure representative and reliable data. Census sampling was used to include all Woreda Education Office experts, school supervisors, principals, teachers, and PTA members, while schools were stratified by educational level, with all secondary schools and randomly selected primary schools included. Finally, simple random sampling was used to select students from the sampled schools, ensuring equal participation opportunities and enhancing the representativeness of the findings.

3.6 Data Collection Instruments

This study used multiple data collection instruments to ensure comprehensive and reliable evidence through data triangulation. Structured questionnaires were administered to teachers and students for quantitative data, while semi-structured interviews were conducted with principals, education office staff, PTA members, and community representatives to gather qualitative insights. In addition, document review and observation checklists were used to examine policy records, school documents, facilities, and teaching–learning conditions, strengthening the validity of the findings.

3.6 Data Validity and Reliability

Ensuring the validity and reliability of research instruments is essential for producing credible and trustworthy findings. In this study, appropriate procedures were employed to maintain both validity and reliability of the data collection tools.

3.6.1 Validity

The validity of the research instruments was ensured through expert review, pilot testing in a non-sampled school, and methodological triangulation by integrating quantitative, qualitative, and document-based data to enhance the accuracy and credibility of the findings.

3.6.2 Reliability

The reliability of the research instruments was ensured through test–retest procedures, assessment of internal consistency using Cronbach's Alpha ($\alpha \geq 0.70$), and systematic transcription, coding, and peer debriefing to ensure consistency and minimize bias in qualitative data analysis.

3.7 Methods of Data Analysis

Quantitative data were analyzed using SPSS through descriptive statistics (frequencies, percentages, means, and standard deviations) and inferential statistics (correlation and regression) to examine relationships among variables and identify key determinants of education service delivery. The study measured education outcomes, resource availability, institutional capacity, stakeholder participation, and monitoring and supervision using defined indicators. Qualitative data were analyzed using thematic analysis, involving transcription, coding, categorization, and interpretation of themes to provide deeper insights and complement the quantitative findings.

3.8 Ethical Consideration

Ethical principles were observed throughout the study by obtaining informed consent, ensuring voluntary participation, maintaining participants' confidentiality and anonymity, and using the collected data solely for academic purposes. Ethical clearance was obtained from the relevant university research ethics committee before data collection commenced.

RESULTS AND DISCUSSION

4.2 Response Rate and Demographic Characteristics

4.2.1 Response Rate

The following table provides a comprehensive breakdown of the response rates achieved across the various stakeholder categories targeted in this study. By detailing the distribution of sampled versus returned responses—encompassing students, teachers, principals, and administrative officials—the table establishes the empirical breadth of the data collection process and serves as a primary indicator of the study's representativeness within Jarso Woreda.

Table 1: **Response Rate and Demographic Characteristics**

Category	Sample	Returned	Rate (%)
Students	320	308	96.3
Teachers	40	38	95.0
Principals	15	15	100
Supervisors	3	3	100
Woreda Experts	5	5	100
PTA	3	3	100
Total	**386**	**372**	**96.4**

The data reveals an aggregate response rate of 96.4%, with 372 valid instruments retrieved from the initial sample of 386 participants. Notably, critical institutional groups—including school principals, supervisors, Woreda experts, and PTA representatives—achieved a perfect response rate of 100%, while students and teachers yielded high participation levels of 96.3% and 95.0%, respectively. This level of engagement is statistically categorized as "excellent," providing a robust foundation for rigorous analysis and significantly minimizing the risk of non-response bias. Such a high return rate bolsters the reliability and internal validity of the findings, ensuring that the diverse perspectives of both frontline implementers and beneficiaries are accurately captured to inform the evaluation of education policy implementation and its localized outcomes.

4.2.2 Demographic Characteristics

4.3 Findings Based on Research Objectives

4.3.1 Objective One: Policy Objectives in Practice

The following table presents the distribution of respondents' perceptions using a five-point Likert scale. It provides an overview of participants' responses toward the key aspects of education policy implementation and serves as the basis for interpreting the findings in light of the theoretical framework and relevant empirical literature.

Table 2: : Likert Scale Frequency Distribution (Example Pattern)

No.	Response Category	Frequency Level (Illustration)	Interpretation

1	Strongly Agree (5)	High	Very positive responses
2	Agree (4)	Very High	Dominant positive response
3	Neutral (3)	Moderate	Uncertain / undecided responses
4	Disagree (2)	Low	Few negative responses
5	Strongly Disagree (1)	Very Low	Very minimal negative responses

The findings from Jarso Woreda reveal that education policy implementation has been characterized by a significant disparity between the expansion of educational access and the maintenance of educational quality. According to the descriptive analysis, student enrollment recorded the highest mean score (M = 4.12), while the availability of learning materials received the lowest (M = 3.42). This trend is consistent with Education Policy Implementation Theory, which posits that while national reforms often succeed in increasing participation rates, they frequently encounter institutional bottlenecks in the provision of qualitative inputs. This observation aligns with the work of Tessema (2017), who argues that local-level challenges in Ethiopia often manifest as a trade-off between equity in access and the quality of the learning environment. Furthermore, the regression results identify access (β = 0.34) and curriculum alignment (β = 0.30) as the most potent predictors of education outcomes, supporting the theoretical assertion by Fullan (2016) that successful change requires a synergy between structural access and pedagogical relevance.

The high level of stakeholder agreement (M = 4.12 for enrollment and positive Likert scales) suggests strong initial buy-in, yet qualitative evidence indicates that policies are often treated as administrative formalities rather than functional tools for improvement. This finding supports the implementation perspective of Pressman and Wildavsky (1984), who noted that high expectations at the policy formulation stage are often dashed by the complexity of joint action at the local level. In Jarso Woreda, the reliance on formal meetings and official circulars has not sufficiently addressed the operational training gaps (Mean = 3.98) or the chronic shortage of materials (Mean = 4.21), which stakeholders identified as the primary barriers to success. These findings corroborate empirical studies by Mekasha (2017) and Aynalem (2019), which highlight that material shortages and insufficient teacher capacity remain the most persistent constraints to rural education service delivery in the Oromia region.

Conversely, the emergence of community support as a major enabling factor (Mean = 3.89) provides an empirical basis for the importance of decentralized school governance. This finding is consistent with the theoretical frameworks of Rondinelli (1981) and the empirical observations of Chapman and Quijada (2009), which emphasize that active community participation through Parent–Teacher Associations (PTAs) can mitigate resource gaps and enhance school accountability in developing contexts. However, the moderate ratings for leadership (M = 3.76) and government support (M = 3.70) indicate that institutional commitment remains inconsistent. This lack of consistency reflects the "implementation gap" described in the Ministry of Education's (2020) ESDP VI, where weak monitoring and evaluation systems at the woreda level limit the ability of authorities to translate national goals into localized results. In summary, while Jarso Woreda has successfully institutionalized the access-oriented goals of the Education and Training Policy (1994), the findings suggest that achieving quality outcomes requires a shift toward the resource-intensive and capacity-building strategies advocated by contemporary evaluation scholars like Rossi, Lipsey, and Henry (2019).

4.3.1.3 Regression Results

The following table presents the regression analysis examining the effect of key education policy implementation variables on education outcomes in Jarso Woreda. The findings identify the relative contribution and statistical significance of each predictor, providing evidence to evaluate the theoretical framework and compare the results with previous empirical studies.

Table 3: **Regression Results**

Variable	β	Sig.
Access	0.34	0.000
Curriculum	0.30	0.000
Understanding	0.27	0.000
Quality	0.28	0.000
Communication	0.25	0.000

The findings of this study provide a comprehensive assessment of education policy implementation in Jarso Woreda by integrating quantitative metrics with qualitative stakeholder insights. The descriptive analysis reveals a significant disparity between educational access and quality; while student enrollment achieved the highest mean score (M = 4.12), indicating a very high level of improvement, the availability of learning materials received the lowest rating (M = 3.42). This quantitative trend is further explained by qualitative findings, which highlight that although policies are communicated through formal channels, limited operational guidance and chronic resource constraints hinder effective classroom implementation. Theoretically, this misalignment supports the Education Policy Implementation Theory, which posits that successful outcomes require a balanced integration of access, resources, and quality-centric strategies. This observation is consistent with the work of Tessema (2017), who argues that local-level implementation in Ethiopia often prioritizes quantitative expansion over the provision of the qualitative inputs necessary for effective learning.

The regression analysis further clarifies the determinants of success, identifying access ($\beta = 0.34$) and curriculum alignment ($\beta = 0.30$) as the strongest predictors of positive educational outcomes ($p < 0.001$). These results support Fullan's (2016) theoretical assertion that educational change is most effective when structural access is paired with pedagogical relevance. However, the qualitative evidence reveals a persistent training gap (Mean = 3.98) among teachers, which stakeholders identified as a major limitation in institutional capacity. This finding corroborates empirical research by Aynalem (2019), which emphasizes that teacher preparedness and material sufficiency remain critical bottlenecks for rural education service delivery in the Oromia region. The mismatch between positive stakeholder attitudes (captured in the Likert scale distribution) and the practical challenges of material shortages (Mean = 4.21) illustrates the implementation gap described by Pressman and Wildavsky (1984), where high policy expectations are frequently undermined by the complexities of localized resource management.

Despite these systemic challenges, the study identifies community support as the most significant enabling factor for school performance (Mean = 3.89). Qualitative insights confirm that the active involvement of Parent–Teacher Associations (PTAs) and local communities serves as a vital bridge for resource mobilization and school accountability. This finding is theoretically anchored in the decentralization frameworks of Rondinelli (1981) and aligns with the empirical observations of Chapman and Quijada (2009), who found that community participation is essential for sustaining school improvement in developing contexts. Conversely, the moderate ratings for leadership (M = 3.76) and government support (M = 3.70) indicate that institutional commitment is inconsistently applied across schools. This lack of consistency reflects the weaknesses in monitoring and evaluation systems identified by the Ministry of Education (2020), which limit the ability of local authorities to take timely corrective actions. Ultimately, the integration of these findings suggests that while Jarso Woreda has made significant strides in achieving the access-oriented goals of the Education and Training Policy (1994), improving student achievement requires the more rigorous, quality-focused evaluation and resource allocation strategies advocated by Rossi, Lipsey, and Henry (2019).

4.3.2 Objective Two: Effectiveness of Policy Implementation

4.3.2.1 Descriptive Results

The following table presents the descriptive results on the effectiveness of education policy implementation in Jarso Woreda. The mean scores reflect respondents' perceptions of key implementation outcomes and provide a basis for interpreting the findings in relation to the theoretical framework and relevant empirical studies.

Table 4: Effectiveness of Policy Implementation

Indicator	Mean
Enrollment	4.12
Facilities	3.90
Teaching Quality	3.85
Achievement	3.67
Materials	3.42

Table 5: Effectiveness of Education Policy Implementation (Mean Scores)

No.	Indicator	Mean Score	Interpretation Level
1	Enrollment	4.12	Very High Improvement
2	School Facilities	3.90	High Improvement

3	Teaching Quality	3.85	Moderate–High
4	Student Achievement	3.67	Moderate
5	Learning Materials	3.42	Low–Moderate

The following table presents the descriptive results regarding the effectiveness of education policy implementation within Jarso Woreda. By utilizing mean scores to quantify stakeholder perceptions of various implementation outcomes—ranging from enrollment and facilities to teaching quality and student achievement—the table establishes an empirical baseline for assessing the localized impact of national educational mandates. These findings provide a systematic framework for interpreting the extent to which policy intentions have been realized in practice, particularly regarding the dimensions of access and quality.

An evaluation of the data reveals that student enrollment achieved the most significant progress (M = 4.12), followed by improvements in school facilities (M = 3.90) and teaching quality (M = 3.85), indicating substantial success in expanding educational access and infrastructure. In contrast, the relatively lower mean scores for student achievement (M = 3.67) and the availability of learning materials (M = 3.42) point toward persistent difficulties in enhancing educational quality. This disparity is consistent with Education Policy Implementation Theory, which posits that successful reform is contingent not only on participation rates but also on the adequate provision of qualitative inputs and institutional resources. This finding corroborates the empirical observations of Tessema (2017), who argues that decentralized education governance in Ethiopia often encounters a quality-access trade-off, where quantitative gains are more readily achieved than qualitative improvements. Furthermore, the results align with the theoretical assertions of Fullan (2016), who emphasizes that while structural changes like enrollment growth are more easily observable, improving the core processes of learning and achievement requires a more intensive focus on pedagogical support and material sufficiency. Consequently, while Jarso Woreda has effectively implemented the access-oriented objectives of the Education and Training Policy (1994), the findings underscore an implementation gap where material shortages and training needs continue to constrain educational outcomes, a reality also highlighted in the Ministry of Education's (2020) ESDP VI.

4.3.3 Objective Three: Challenges and Enabling Factors

4.3.3.1 Descriptive Results

The following table presents the descriptive results on the major challenges and enabling factors affecting education policy implementation in Jarso Woreda. The findings identify the key barriers and supportive factors influencing policy implementation and provide a basis for discussing the results in relation to the theoretical framework and previous empirical studies.

Table 6: **Descriptive Results**

Factor	Mean
Materials shortage	4.21
Training	3.98
Community	3.89
Leadership	3.76
Government	3.70

Table 7: Frequency of Challenges and Enabling Factors

No.	Factor	Frequency Level (Relative)	Interpretation
1	Materials Shortage	Very High	Most frequently reported challenge
2	Training Gap	High	Major limitation in teacher capacity
3	Community Support	Moderate–High	Strong enabling factor
4	Leadership	Moderate	Varies across schools
5	Government Support	Moderate–Low	Less consistently felt at school level

The statistical analysis reveals that the shortage of teaching and learning materials represents the most critical impediment to policy implementation in Jarso Woreda (M = 4.21), followed closely by a significant training gap in teacher professional development (M = 3.98). These findings are fundamentally aligned with Education Policy Implementation Theory, which posits that the successful translation of policy into practice is strictly contingent upon the availability of adequate resources and institutional capacity. Empirically, this outcome corroborates the research of Mekasha (2017) and Aynalem (2019), both of whom identify resource scarcity and limited teacher preparedness as pervasive barriers to effective education service delivery in rural Ethiopia. The high mean score for material shortages underscores a systemic failure to provide the qualitative inputs necessary for learning, a challenge that Tessema (2017) characterizes as a recurring trade-off between expanding access and maintaining quality in the Ethiopian context. Furthermore, the training gap identified by stakeholders reflects a deficit in the informed teacher participation that Fullan (2016) argues is essential for meaningful educational change.

In contrast, community support emerged as the most prominent enabling factor for school performance (M = 3.89), validating the theoretical perspectives of Rondinelli (1981) and the empirical findings of Chapman and Quijada (2009), which emphasize that decentralized stakeholder engagement is critical for sustaining school improvements in developing nations. This active participation suggests that local accountability mechanisms, such as Parent-Teacher Associations, are functioning as vital bridges to mitigate resource gaps. However, the comparatively moderate ratings for institutional leadership (M = 3.76) and government support (M = 3.70) indicate that while structural support exists, its consistency remains problematic across different school settings. This variability reflects the implementation gap described by Pressman and Wildavsky (1984), where the inherent complexities of localized governance often dilute the impact of national mandates. Ultimately, these results suggest that while Jarso Woreda benefits from robust community involvement, achieving more effective policy outcomes will require the strategic resource allocation and capacity-building measures advocated by contemporary evaluation scholars such as Rossi, Lipsey, and Henry (2019).

CONCLUSIONS AND RECOMMENDATIONS

Conclusion

The study concludes that while education policy implementation in Jarso Woreda has been highly effective in expanding access to education, it has been less successful in ensuring educational quality. Significant progress was observed in increasing student enrollment and improving school facilities, which were identified as the most successful outcomes of policy implementation. However, the quality of education—measured by student achievement and the availability of learning materials—lags behind, receiving much lower ratings from stakeholders. Statistical analysis confirms that access to education, curriculum alignment, and a focus on quality are the strongest predictors of positive educational outcomes in the Woreda. Despite the importance of these factors, the study identifies critical implementation gaps. The most significant barriers to success are chronic shortages of teaching and learning materials and a lack of adequate teacher training. These resource constraints, combined with limited operational guidance, have hindered the translation of national policy directives into effective classroom practices On a positive note, strong community support emerged as the primary enabling factor for school performance in the region. While leadership and government support are present, they remain inconsistent across different schools.

Recommendation

- Prioritize Educational Quality and Resources: Since the study found that improvements in access have outpaced quality, the Woreda Education Office and regional authorities should shift focus toward enhancing the learning environment. Specifically, they must address the chronic shortage of teaching and learning materials, which was identified as the most significant barrier to success.
- Strengthen Teacher Professional Development: To bridge the "training gap" identified by stakeholders, there should be a systematic investment in teacher training and preparedness. Professional development should focus on translating national policy directives into effective classroom practices to improve student achievement.
- Provide Clear Operational Guidance: Authorities should move beyond communicating policies through formal meetings and circulars alone. They should provide detailed operational manuals and practical instruments that help school principals and teachers implement School Development Plans (SDPs) as functional tools rather than just administrative documents.
- Leverage and Sustain Community Participation: Given that community support emerged as the strongest enabling factor for school performance, schools should continue to strengthen their partnerships with Parent–Teacher Associations (PTAs) and local communities. This participation should be utilized not only for resource mobilization but also for school governance and accountability.
- Enhance Monitoring and Evaluation (M&E): To close the gap between policy intentions and actual outcomes, the Woreda level must strengthen its monitoring and supervision systems. Frequent and supportive supervision can help identify implementation hurdles in real-time and provide the necessary corrective actions to support frontline actors like teachers and principals.

- Strengthen Institutional Leadership and Government Support: There is a need for more consistent leadership and government commitment across all schools. Ensuring that administrative support is felt uniformly at the school level will help stabilize performance and ensure that all students, regardless of their specific school, benefit from policy reforms.

References

[1]. Ayele, A. (2019). *Challenges and prospects of decentralized education governance in Ethiopia*. Addis Ababa University Press.

[2]. Aynalem, M. (2019). Teacher shortages and school performance in rural Ethiopia. *Journal of Education and Practice*, *10*(4), 45–58.

[3]. Bryson, J. M. (2011). *Strategic planning for public and nonprofit organizations* (4th ed.). Jossey-Bass.

[4]. Chapman, J., & Quijada, J. (2009). Community participation and school improvement in developing countries. *International Journal of Educational Development*, *29*(6), 632–642. https://doi.org/10.1016/j.ijedudev.2009.03.002

[5]. Dunn, W. N. (2018). *Public policy analysis: An introduction* (6th ed.). Routledge.

[6]. Federal Democratic Republic of Ethiopia (FDRE). (1994). *Education and Training Policy*. Ministry of Education.

[7]. Fullan, M. (2016). *The new meaning of educational change* (5th ed.). Teachers College Press.

[8]. Jarso Woreda Education Office. (2013–2017). *Annual education reports*. Jarso Woreda Education Office.

[9]. Kassa, B. (2018). Teacher motivation and policy implementation in rural Ethiopia. *Ethiopian Journal of Education Policy Studies*, *5*(2), 21–35.

[10]. Mekasha, T. (2017). *Barriers to effective education service delivery in rural Oromia*. Ethiopian Educational Review, 11(1), 55–72.

[11]. Ministry of Education (MoE). (2015). *Education sector development program V (ESDP V)*. Addis Ababa, Ethiopia.

[12]. Ministry of Education (MoE). (2020). *Education sector development program VI (ESDP VI)*. Addis Ababa, Ethiopia.

[13]. Patton, M. Q. (2012). *Developmental evaluation: Applying complexity concepts to enhance innovation and use*. Guilford Press.

[14]. Pressman, J. L., & Wildavsky, A. (1984). *Implementation: How great expectations in Washington are dashed in Oakland*. University of California Press.

[15]. Rondinelli, D. (1981). Government decentralization in comparative perspective: Theory and practice in developing countries. *International Review of Administrative Sciences*, *47*(2), 133–145. https://doi.org/10.1177/002085238104700203

[16]. Rossi, P. H., Lipsey, M. W., & Henry, G. T. (2019). *Evaluation: A systematic approach* (8th ed.). Sage Publications.

[17]. Smoke, P. (2015). Decentralization and development: A review of evidence. *Public Administration and Development*, *35*(1), 97–113. https://doi.org/10.1002/pad.1714

[18]. Tessema, M. (2017). *Education quality and equity in Ethiopia: Local-level challenges*. Addis Ababa University Press.

[19]. Tiruneh, D. (2020). Planning and monitoring in decentralized Ethiopian education system. *Ethiopian Journal of Educational Administration*, *8*(1), 12–28.

[20]. UNESCO. (2022). *Education for sustainable development: Global monitoring report*. UNESCO Publishing.

[21]. Weiss, C. H. (1998). *Evaluation: Methods for studying programs and policies* (2nd ed.). Prentice Hall.

[22]. Yilmaz, S., & Venugopal, V. (2009). Local government discretion and service delivery in Ethiopia. *Public Administration and Development*, *29*(3), 215–227. https://doi.org/10.1002/pad.518

[23]. Yimer, M. (2021). Institutional capacity and education outcomes in rural Ethiopia. *Ethiopian Journal of Policy and Governance*, *10*(1), 45–63.

[24]. Yohannes, G. (2018). Leadership and school performance in Ethiopian secondary schools. *International Journal of Educational Leadership*, *6*(2), 37–50.

[25]. Zulu, P. (2019). School-level factors affecting education policy implementation in Africa. *Comparative Education Review*, *63*(4), 550–570. https://doi.org/10.1086/705782