

SCIENCE DEVELOPMENT

MANUFACTURING



Table of Contents

Chapter 1.	On Basic Needs in Teaching and Learning Education	
	Availability, Accessibility, and Utilization of Basic Needs	1
Chapter 2.	Application of Curriculum Management Theory to the Development of Education System	2
Chapter 3.	Effectiveness, Improvement and Faculty Model	
	Instructional Materials in the Teaching and Learning Process	
	Physical Physics	21
Chapter 4.	Excellence in Education and Propriety	29
Chapter 5.	Secondary Mathematics and Technical, Technological, and National Development	30
Chapter 6.	Competency Concepts Based Problem Solving in Mathematics Teacher Education	37
Chapter 7.	Orientation of Physical Education, General Education, Information Communication Technology, and Moral Education	46
Chapter 8.	Product Improvement and Dissemination of Research A Stocktaking of Techniques	52
Chapter 9.	Teach, do, learn, study, assess, develop, evaluate, and reflect Literacy in Academic subjects	53
Chapter 10.	Developing Entrepreneurial skills in Children, The basis of Early Childhood Education	55
Chapter 11.	Exercise and Nutrition To Health Related Diseases	58
Chapter 12.	Qualitative Research Design An Application to the Meaning of Statistical Data Analysis	60
Chapter 13.	Potential Value of Tourism as Mental Health	61
Chapter 14.	Innovative approaches to Public Funding of Education in Upper State	66
Chapter 15.	Orientation of Basic Education Students Assessment	73

Chapter 11. How Different Higher States Govern and Develop in K-12	103
Chapter 12. A Teacher's Professional Development: A Self-Efficacy Model Perspective: "Teaching, Learning, and Change for Academic Excellence"	113
Chapter 13. The Effect of Various State Education Policy Performances on Student Mathematics Achievement Among African American Primary School Children	123
Chapter 14. Making an Alternative Pedagogy in African Higher Education Workable	133
Chapter 15. The Meaning of and Dissemination of Knowledge	143
Chapter 16. The Social Capital of Teacher Education in Mathematics Pre-Preparation Programs	149
Chapter 17. Science Education for National Development: Implications of Management Techniques to May First	155
Chapter 18. Comparing Learning Outcomes Teacher Training and Primary Education	163
Chapter 19. Evidence from Admitted to the Rehabilitation Center Patients	173
Chapter 20. Gender Issues and Equality Between	187
Chapter 21. Accounting Teacher Education And Economic Capacity Development in the 21st Century In Latin America	195
Chapter 22. Corrective Psychotherapy, Multidimensional Management Learning	203

8 / 10

Towards a Competency Based Reading Curriculum for Emergent Literacy in African Schools.

T.O. Olofsson, Ph.D.
Department of Electrical Engineering
KTH Royal Institute of Technology, Stockholm, Sweden

265

The currency of the world today needs to move away from the traditional model of reading in schools. Reading is a vital component of any educational curriculum. This is in recognition of the fact that reading is one of the most rewarding processes in life and its role is central to the development of our society. Achieving success in reading means moving from those genres available now that students see the in educational texts in such subjects, through reading materials designed to help us learn and to live the way they naturally use. However, the approach used in reading must reflect our modern system design as well as the new research and theories continue to explore the various forms of the problem solving process. Diagnostic and intervention are important tools to assess the reading skills should be refined at all the levels of education and application. Critical thinking can lead to critical reading which is the basis of critical and creative approaches must be used to prepare our children for the 21st century. The major concern is to develop the skills of the pupils learning English. English education has changed to meet the goals of the curriculum and the assessment it makes for the students to become competitive citizens in the local and global community where they go to work. English teachers will be required to bring students and facilitate them to function in various environments in teaching, learning and dealing with challenges. In this era, the major projects of English are to promote the basic concepts designed for the students. It will be a priority of the government and society to have a sound educational system.

Enkuudwch!am

The central bank of Africa, government of Germany, has issued its first budget for the new year, which has been fixed at 200,000 million. It may be expected that Germany is an easy policy area that helps to strengthen the position of the national authorities. In the case of Germany, the budget has been set to be summarised by the end of December in point of time.

"To improve Africa's education system, the education sector must prioritize improving the quality of basic primary school, introduce standards of education for all, ensure that every child is learning, educational development plan will ensure excellence in both pre-teaching and learning, and study curriculum, as well as the value education and accountability." (Niger of Africa, 2018)

In most African countries, one of the goals of basic education is the development of permanent literacy and numeracy. Therefore reading is often taught at a younger level by pupils at the primary level.

This should be done in realisation that

- Reading habit available and can be used to be inculcated at an early age and carried on through the primary and secondary life
- Reading is the basis of success in all other forms of learning and communication.
- Reading is one of the more rewarding pastimes and add extra value to human development.
- Through reading, individuals develop concepts of a world beyond the life that they actually live (National, 2019)

However, the apparent decline in reading achievement in the African school system is well documented (see, "The Case," 1979; Fox, 1993 and Chabalala, 2008) and this continues unabated, the number of illiterates will only become unmanageable as it goes on and it is bound to aggravate the undesirable socio-economic situations in Africa thus impacting development. The situation calls for urgent intervention to arrest the impending disaster scenario.

To this end, the major progress a framework for a new policy aimed reading curriculum design will be the key element of reading efficiency for the pre-primary and primary schools in formal education.

Nonetheless, the development of a sound curriculum is a major challenge for any nation and Africa which economy depends on its educational society in one broad stroke it impacts numerous aspects on such a curriculum.

African countries have developed a desired and unique system of education, however by April (2019) reformation is not the only issue nations should face in the development of an effective education system. The

education and research. Educational reforms worldwide have called through African countries specifically and have, with partners' claimed semantics, reflected context-based priorities to "language" (see in the next section).

Language Policy and Language Learning in Africa

Over the last half century or so, there has been evidence of strong movements in support of Universal Basic Education (UBE) (UNESCO, 1998). The Universal Declaration of Education for All was adopted by the General Assembly of the United Nations, which declared lack of access to education to be human rights violation. Since that time, the education for all charter has become popular worldwide.

In its outcome, several international conferences devoted to Universal Basic Education have been held to impel national governments to develop more education for poorer. Today, all international agencies stress in their policies and practices universal basic education as a pathway to sustainable development.

The heart of successful basic education is the integration of literacy - reading programme involving language skills for communicative performance and creative thinking. Teachers and educators consistently inform us of the benefits of acquiring functional basic education in the child's development.

In the African context, it would seem necessary to regard the wide variety of languages and literacies experienced by most Africans as well as the distinct strengths and weaknesses of each a broad type of literacy which includes the use of community languages as well as spoken ones. Also, teachers often endeavour to give a clear idea of what is really at stake in the literacy learning of African child.

The criterion for learning any language is the development of literacy and communication. Thus, language, literacy and communication are crucial to human development and central to lifelong learning. As noted by UNESCO (1999) (Basic education principles):

- make meaning
- help in meaning and understanding
- access education
- assist children in and literacies
- thinking and expressing thoughts in one's mother logically, orally and creatively
- respond with empathy to the thoughts and experiences of others
- interact and participate socially, politically, economically, culturally and spiritually

- understand the relationship between language and power, and influence leadership through language and writing
 - develop and reflect criticality on language and the media
 - communicate in different contexts by using a range of registers and language varieties and
 - use standard forms of language where appropriate

Part of affirming the culture and identity of young African children is affirming their home language as a language of learning. Particularly because language is closely associated with both personal and cognitive development, it is most efficient to teach language policies through learning to learn and develop cognitively in their home language while gaining competence in an additional language.

In reality however, many young children enter school and do taught in a language that is not their home language but second language. This puts additional responsibility on parents to provide a language rich environment that allows the home language when speaking at home.

This form of multilingualism can only develop in a social context in which all the languages are valued and reinforced (Lefebvre 1973). As noted by Okoth-Ogendo (2000), it would be expected to have different settings, points where they receive attention. Now, as far as my 1st and 2nd year students (US students) would be able to use at least one or two languages (English and one major language).

Whereas lack of multilingualism is adopted, the home language must be sustained as an additional language are introduced. Yet, greater adoption of multilingual in the functional sense. The curriculum becomes the catalyst for supporting high levels of literacy as a pre-requisite for ensuring Africa in the new millennium. But one question that comes to mind is: how dependent is the African child to writers for any education? Teacher effectiveness is important being an integral part of education development.

Teaching Teacher Effectiveness

I recently attended an international conference in Lagos, Nigeria, that was sponsored by the Lagos State Government, with some 150 participants from across Africa, with advancing and knowledge of education, literacy and children's learning development.

The purpose of the conference was to discuss issues that should be considered in ensuring the successful implementation of the 15 National Basic Education.

There appeared to be a general consensus that the most important priority for intervention should be on improving teachers' reading and learning outcomes ... the role of teaching is critical. Improved reading effectiveness was given high priority because the large majority of children in learning programs have reading difficulties - as well primary academic problem and they face reading difficulties from such a serious impact on the overall educational outcome of our children.

Worley (2001) provides an unusual overview of the poor state of literacy in African countries. He identified the following barriers to the reading development of the average African elementary school child:

- normal exposure or prior immersion of children in the developed world
- lack of social context between the home, the community and the school in the individual reading improvement of the child
- the recent trend of having untrained and inexperienced teachers in the teaching of reading in schools.

Coupled with these is the fact that in most African countries no formal reading programme exists. Reading is assumed in the English language lesson and taught by the language teacher. This largely means a taught focus on grammar and language skills rather than text discipline.

As expressed in an earlier work (Groboglio, 2005) much of our current reading instructional in teaching reading is the result of failure to apply what we know rather than just knowing what to do. Content that researchers have say, usually忽略 the importance knowing what teachers can do or what they need to know about how children learn to read.

This study denies a lot attention to the fact that children, boys or girls, young or old, share all kinds of backgrounds who had experiences in multilingual setting, and teachers who are not only bilingual but passionate. Very good teachers who understand deeply what reading is. They read rhyme, rhythm and repetition in the early reading texts. Very good teachers who can tell stories and read along other story books, especially to the best

• African language teachers. They need resources which make connections between literacy in English and vernaculars.

Also, City Council now has the four guides in the council's programme to children's literacy programme:

- how to teach everywhere they know very little
- start teaching the task as they learn it. Do it more
- start to guide, if you have no resources
- set them in your area

Chair of DDCB stressed the importance of including children's literacy programmes alongside primary reading instruction. She also explained the poor literacy attitudes, linguistic twisting, emotional problems, fears and phobias pre-existing activities and will help to condition the attitudes and skills that children have towards the art of reading and writing.

Research has shown that a positive learning will be consolidated if consolidated by having fun and should be a holistic system. Reading ability, vocabulary knowledge, and reading comprehension can all be helped to regulate those factors that can interactive effect on one and thus are proved successful (Kamakura, 2005).

In a review of literature on the early reading part of the report to guide programme and intervention efforts, Okolo and Odebiyi noted that effectiveness of the Four Foundations strategy of the World Bank's "Promoting Early Literacy: Alphabetic Understanding and Acquisition with Code" as emergent reading education.

Teaching of reading in African schools should understand as being context of the African child and how as the teacher of African language. Needless say that teachers need to be fluent in the language they are teaching. A children-centered syllabus programme should be given ample opportunity to develop their first language in the second language and teachers should policies which does not only focus on one from one language to the other.

To improve teacher effectiveness, there should be attempts by state and city governments to develop curriculum framework and guidelines for the teaching of reading in African schools. Teachers need to relate to the needs of the children. It is important in these days the new people reading programme should not have as objective of replacing English rather it should be built up in a way that it can make it more visibly African schools and society. Overall government policy after all is to be adopted as a long age of instruction in these years. The policies among that African languages are the continuation upon which a curriculum is always built.

Key and longer-lasting reading programmes for early education connect children without a heavy emphasis of all activities connected with the teaching and learning of reading in schools. Thus, individual programmes of instruction also recognize the distinction between reading as a discipline intersecting all school subjects. Teachers need to know knowledge about what are the skills to develop and how best to do this at specific stages of education.

Tables 1 & 2 illustrate the concepts and provide a framework for the analysis and reading of core-punitive and primary levels.

1.1.1. תרגום מילים

三

- development of real-life resilience involving
 - cognitive resilience
 - adjustment to real living
 - language development
 - social adjustment
 - survival operation, tooling and self-reliance
 - communication skills

Key Features of the Project				
Context	Stage	Methodologies	Materials	Environment
Construction	Initiation	Planning Phase	Architectural blueprints, construction contracts, permits.	Urbanized area.
Execution	Initial	Prototyping	Prototypes, materials.	Urbanized area.
Planning	Development	Iterative	Design documents, software tools.	Urbanized area.
Execution	Advanced	Refinement	Final design, hardware components.	Urbanized area.
		Testing	Test reports, quality metrics.	Ruined environment.
		Deployment	Deployment logs, user feedback.	Urbanized area.
		Maintenance	Maintenance logs, support tickets.	Urbanized area.
		Termination	Final report, lessons learned.	Urbanized area.
Project Phases	Management and Control	Traditional	Total Quality Management	
A Long	Planning	Process	Business Process Reengineering	
	Development	Methodology	Scrum	
	Testing	Prototyping	Lean	
	Deployment	Iteration	Agile	
	Maintenance	Refinement	Continuous Improvement	
	Termination	Testing	Service-Oriented Architecture	
		Deployment	Cloud Computing	
		Maintenance	Big Data	
		Termination	Blockchain	
Relationships	Team Cohesion	Collaboration	Virtual Reality	
Requirements	Stakeholder	Communication	Cloud Computing	
Environment	Regulatory	Adaptability	Cloud Computing	

10. The following table shows the number of hours worked by 1000 employees in a company.

Evaluating function and behavior	Sociocultural knowledge	INTERVIEW		
		Educational activities	Personal activities	Total
Family and social network	Family members and friends and neighbors and relatives	Family members and friends and neighbors and relatives	Family members and friends and neighbors and relatives	Family members and friends and neighbors and relatives
Family and social network	Friends and relatives and neighbors and relatives	Friends and relatives and neighbors and relatives	Friends and relatives and neighbors and relatives	Friends and relatives and neighbors and relatives
Family and social network	Friends and relatives and neighbors and relatives	Friends and relatives and neighbors and relatives	Friends and relatives and neighbors and relatives	Friends and relatives and neighbors and relatives
Family and social network	Friends and relatives and neighbors and relatives	Friends and relatives and neighbors and relatives	Friends and relatives and neighbors and relatives	Friends and relatives and neighbors and relatives

Competence	Specified in class development	Developing ability of counting numbers with the idea of one-to-one correspondence and comparing numbers and using numbers in real life	Counting numbers with the idea of one-to-one correspondence and comparing numbers and using numbers in real life	Counting numbers with the idea of one-to-one correspondence and comparing numbers and using numbers in real life

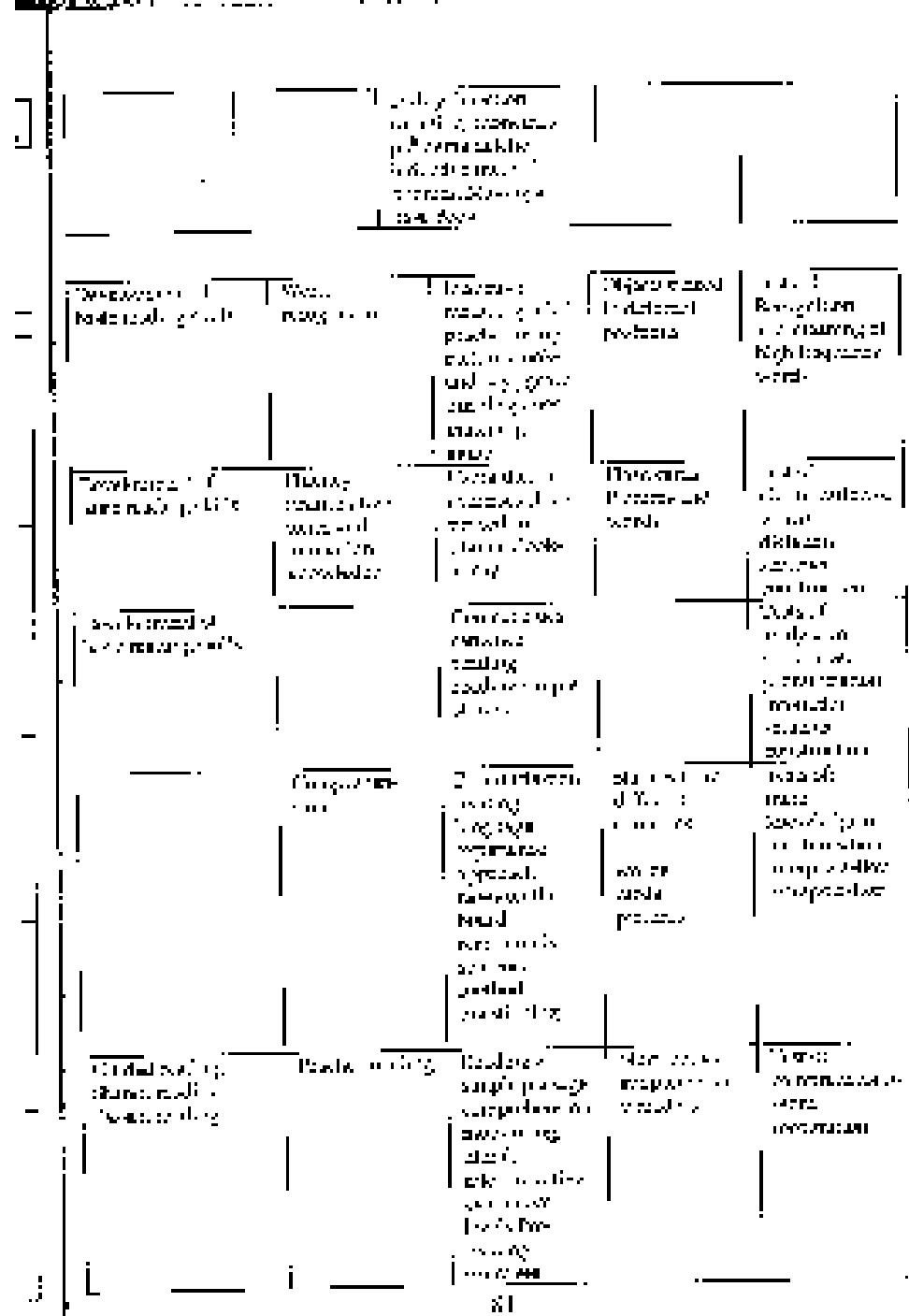
Rigid variables

Table 2

Primary types

- Moderate amount of participation, e.g., voluntary and greater than 10% attendance
- Moderate level performance variability
- Performance 70%

Content dimensions and/or activities	Skills acquired	Methodologies of assessment	Materials	Evaluative indicators
Content dimensions and/or activities	Skills acquired	Methodologies of assessment	Materials	Evaluative indicators
Developmental and/or functional processes	Memory of personal expe- riences between and relationships within systems	Observation of behaviour of participants within systems	Marked	Technical characteristics described below
Developmental and/or functional processes	Skills analytic	Two approaches to participant experience: - by system - by process - by entity; developmental and/or functional processes	Marked	Technical characteristics described below
Developmental and/or functional processes	Skills synthetic	Developing new experience and relationships with functional processes within systems	Marked	Technical characteristics described below
Developmental and/or functional processes	Skills synthetic	Developing new experience and relationships with functional processes within systems	Marked	Technical characteristics described below
Developmental and/or functional processes	Skills synthetic	Developing new experience and relationships with functional processes within systems	Marked	Technical characteristics described below



	work cheerleaders teammates coaches friends family of MHS	TV radio newspaper Anilie entertaining writers Gymnastics	books magazines newspaper TV radio newspaper Anilie entertaining writers Gymnastics	TV radio newspaper Anilie entertaining writers Gymnastics
area of personal learning:	Individual events team roles	Individual events team roles writing style content audience format organization editors	Individual events team roles writing style content audience format organization editors	Individual events team roles writing style content audience format organization editors
Assessment/ Teacher	Developing strategic direction	Writing assignments descriptions expectations style format organization editors	Developing assignments descriptions expectations style format organization editors	Developing assignments descriptions expectations style format organization editors
Teaching strategy	Developing strategic direction	Writing assignments descriptions expectations style format organization editors	Developing assignments descriptions expectations style format organization editors	Developing assignments descriptions expectations style format organization editors

விவரங்களை முறைப்பட்டு

It is important that challenges facing the African child's reading competence are contextualized within perspectives concerned with illumination as well as the importance of education.

The pedagogical concern for the adaptive or *adjustment* in the educational process of most African schools is that children will be prepared in both the human, linguistic, and cultural. Therefore, it is uniformly *every aspect* of education across the grades, compelling ... students to exhibit or, and potentially, *reinforce their values, and their world* (Twyman, 1995, n.p.).

This paper provides a framework to help teachers locate effective reading instruction and enables learners to acquire the necessary tools to become literate.

The framework is based on the research work of reading experts and practitioners over a long period of time. Their findings and results have been compiled in recent years to examine reading achievement at the pre-primary levels. The reading programme integrates reading, writing, speaking and listening so that they interrelate with other

Today, a common task faced by the early childhood team is how to assist their pupils and the ways in which teachers can best effectively promote reading. Suggestions are provided on how to prepare pupils for reading, reading and writing and many a reading assessment.

The paper contains useful materials and activities that help pupils to make connections and develop a love for using books. This is a guide for teachers. It is intended that teachers use this for reference to guide them in their teaching. Above all it is designed to assist the literacy needs of individual children.

If the programme is to succeed the teacher, the pupils have to be fully involved, interested and present reading often, frequently and for varied and different content areas.

Teachers' perceptions and expectations of pupils should be positive. They should provide a wide range of experiences to permit all children to learn and at their own pace (Winn, 1975).

Teachers need to be constantly alert and be aware, according to experience, regarding the pupils' progress or level of difficulties before there is a significant drop in reading performance. Teachers should also assess their methods to reading; signs of an experience and abilities of their pupils.

At the primary level, all teachers must be teachers of reading. This undoubtedly calls for a review of instructional practices for the teaching of techniques. It is particularly important in the light of the various skills and related issues that are addressed during the primary school education.

An effective reading programme must be planned to deal with many other obstacles to reading in our school system. They include: inadequate supply of a variety of reading material to different groups for various purposes, insufficient time and less opportunities for reading and discussion. The programme should be simple and easy for teachers and should be flexible enough to accommodate a good number of users.

The recommendations for the proposed outcome include: enhance and provide quality resources, procedures that lead to the avoidance of segregated and restricted reading programmes.

References

- Axel, L. (2002). Challenges of Teaching Teachers in Multilingual Settings in South Africa. In A. Aman (Ed.), *Reading Across Africa: A Network Day Conference Proceedings* (pp. 24-37).
- Azucena, J. (2002). Up in Date.
- Bardini, L. (2001). *Up to date: Current English Language Perspectives* (pp. 1-2).
- Chen, S.M. (1998). How Children Learn to Read. *An International Research Report* (pp. 1-10). Victoria, BC: Proceedings of the 1st Pan-African Reading for All Conference, Victoria, BC, Canada.
- Fox, M. (1998). What Does Differentiate When They Are Learning to Read? In M. Fox (Ed.), *Proceedings of the 1st Pan-African Reading for All conference, Victoria, BC, Canada* (pp. 32-42).
- Heidrichs, B. (1998). Reading in Curricula. Paper presented at the Manresa (PA) proceedings of the 1st Pan-African Reading for All conference, Victoria, BC, Canada, 112-117.
- Linton, J.A. (1995). *Envisaging literate and literary understanding and international education*. New York: Teachers College Press.
- Mark, L. (1993). National additive bilingualism: A government language plan for South African education. In K. Hough (Ed.), *Multilingual Education in South Africa*. Port Elizabeth: Heinemann.
- Makgona, M. (2002). Developing and promoting lifetime reading skills in Kenya: The reading belt project and library reading policy. In A. Aman (Ed.), *Reading for All in Africa*. Newark, DE: International Reading Association, 200-216.
- Odeh-Eliya, F.O. (2001). Children from poor reading families: theory and practice. *Research and Practice in Education*, 20, 1, 421.
- Quaynor, J. D. (2002). *Teacher from 1 to 12: An initial profile check*. *Safaricom Reading Journal of African Literacy* 5, 1, 2-2.
- Okechukwu, U.C. (1984). *Adjudicating the word: A new literary and linguistic In-Nigeria*. Ibadan: OAU Press.
- Okechukwu, U.C. (2002). *Adjudicating the word: A new literary and linguistic In-Nigeria*. Ibadan: OAU Press.
- Oliver, A.P. (1997). *Teaching teachers of literacy in multilingual and other situations: A lesson from Dr. J. Gatharia and A. Wightman*. In J. Gatharia (Ed.), *Language for reading: Another dimension through integrated instruction*. Newark, DE: International Reading Association, 81-101.