KCSAP COLLABORATIVE APPLIED RESEARCH GRANTS
AWARDED SUMMARY PROPOSALS

SECTION 1: LEAD INSTITUTION AND PRINCIPAL INVESTIGATOR (PI) PARTICULARS			
1.1	**LEAD INSTITUTION:**	EGERTON UNIVERSITY	
1.2	Principle Investigator:		
	Name: GEOFFREY O. ONG'ONDO		
1.3	Mailing Address:	DEPARTMENT OF BIOLOGICAL SCIENCES P. O. BOX 536-20115, EGERTON	
1.4	E-Mail Address:	geoffrey.ongondo@egerton.ac.ke	
1.5	Collaborators and their affiliate Institutions		
		Dr Mary Opiyo -KMFRI Sagana.	
SECTION 2: PROJECT PARTICULARS			
2.1	**PROJECT No. & TITLE:**	AR02/4/6: Use of locally isolated probiotics to reduce off-flavours in intensive tilapia culture systems	
2.2	KCSAP Livestock Value Chain (i.e. Dairy, Red Meat, Indigenous Chicken, Apiculture, Aquaculture including Animal Health and Pastures and Fodder:	Livestock and Aquaculture	
2.3	Value Chain:	Aquaculture production value chain	
2.4	Location (Area)	Busia and Siaya counties	
2.5	Duration in Years: - (**Not more than 20 Months**)		
	Date of Commencement:	Expected Date of Completion:	Total Duration in Months:
	01.06.2020	30.11.2021	18
2.6	Total Cost of the Project (KES):	4,829,730	
3.1	**Executive Summary**	The sustainable utilization of freshwater resources in Kenya is of high priority for food security. The potential for development of commercial aquaculture industry using the available water resources has not been fully realized. Currently, aquaculture production is largely dependent on traditional systems where farmers use mainly inputs available on the farm and traditional	

		techniques. This leads to relatively low productivity and poor quality products that consumers do not like mainly due to unpleasant odour. The proposed project aims at production of quality fish using locally isolated probiotics and improving water quality in production ponds in Busia and Siaya counties.