

**IMPACT OF INTEGRATED FISH AND PIG FARMING SYSTEMS ON
LIVELIHOOD IN KHAIRAHANI MUNICIPALITY OF CHITWAN
DISTRICT**

**A Thesis Submitted to
The Central Department of Rural Development
Tribhuvan University
In Partial Fulfillment of the Requirements for the Degree of
Master of Arts in Rural Development**

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LETTER OF RECOMMENDATION

This thesis entitled '**Impact of Integrated Fish and Pig Farming Systems on Livelihood in Khairahani Municipality of Chitwan District of Nepal**' has been completed by **Mr. Lokendra Khatri** under my guidance and supervision in partial fulfilment of the requirements for the Degree of Master of Arts in Rural Development. I hereby forward this thesis to the evaluation committee for the final evaluation and approval.

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Date: 2075-09-23

(07 January, 2019)

APPROVAL LETTER

The thesis entitled **Impact of Integrated Fish and Pig Farming Systems on Livelihood in Khairahani Municipality of Chitwan District of Nepal** Submitted by **Mr. Lokendra Khatri** in partial Fulfilment of the requirements for the Master's Degree (M.A.) in Rural Development has been evaluated and approved by the committee.

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DECLARATION

I hereby declare that the thesis entitled '**Impact of Integrated Fish and Pig Farming Systems on Livelihood in Khairahani Municipality of Chitwan District of Nepal**' submitted to the Central Department of Rural Development, Tribhuvan University, is entirely my original work prepared under the guidance and supervision of my supervisor. I have made due acknowledgement to all ideas and information borrowed from different sources in the course of writing this thesis. The result of this thesis has not been presented or submitted anywhere else for the award of any degree or for any other purposes. No any part of the content of this dissertation has been published in any form before. I shall be solely responsible if any evidence is found against my declaration.

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Lokendra Khatri

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ABSTRACT

Integrated farming is the one of integral part of the agriculture. Integrated farming is the considered to be where waste is only a misplaced resource which can become a valuable material for another product. The study entitled Impact of Integrated Fish and Pig Farming Systems on Livelihood in Khairahani Municipality of Chitwan district has been prepared with objective to access the status of integrated farming system in study area. The specific objectives are to assess the status of integrated farming in study area and to find out the impact of integrated farming system on livelihood in Khairahani Municipality.

This study has been conducted in Khairahani Municipality of Chitwan district. Descriptive research design is adopted. Since population under study are homogeneous in nature therefore 4 farm household were selected with the help of census method. This study is mainly based on primary data, which was collected from the field using survey, interview, and observation methods.

Most of the local people are beneficiaries of the integrated farm. By these farm, the livelihood of the farm organizer's and employees have improved as they are earning income and social prestige. Use of integrated farming system and their collaborations with other farms has helped in enhancing the human, social condition and economic condition of farmers and the owners.

In terms of the farms, there is a provision of compulsory insurance of livestock under the veterinary and agriculture office which helps in getting the refund whenever the farms face any difficulties. Moreover, there is collaboration among the farmers thus reducing the risk of the farmers. The farmers with the good market, are improving their social and economic status as they are increasing their income along with providing the employment facility to other peoples.

The agriculture office provides food for the fish was the feces of the pig but they also have managed the food for the fish for the time required at the rate of Rs. 20000 to each farm. They

have also been helping them to start e-vector training for the farms as well and has also been motivating the farmers in their activity.

In Khairahani municipality has been conducting programs where the farmers are competing with each other where the first get 2500, second get 2000 and third get 1500 respectively and remaining get 1000 for each participant. The farmers didn't have to pay tax after the establishment of the farm where they had to pay 2500 at the beginning as a tax as a size of farm.

So the integrated farm is a method of farm management where no waste is wasted i.e. the wastes excreted by a single species are then used by other species for another purpose which makes a balanced environment. Moreover this farm system is known to be increasing the status of the people using this method. With so much advantages, the integrated farming system must be used more aggressively in most of the farms across nation.

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ABBREVIATION AND ACRONYMS

| | |
|-------|-----------------------------------------------------------------|
| AERA | <i>American Educational Research Association</i> |
| AIT | Asian Institute of Technology |
| CBO | Central Bureau Statistics |
| DFID | <u>Department for International Development</u> |
| FAO | Food and Agriculture Organization |
| IFS | Integrated Farming System |
| IFSA | International Farming Systems Association |
| FSR/E | <u>Farming Systems Research and Extension</u> |
| INGO | International Government Organization |
| IARI | Indian Agricultural Research Institute |
| KSU | Kansas State University |
| MOTAD | Minimization of Total Absolute Deviations |
| NGO | Non-Government Organization |
| PRA | Participatory Rural Appraisal |
| UASR | University of Agricultural Sciences, Raichur |
| UNDP | United Nations Development Program |
| UNI | University of Northern Iowa |