

**HATCHABILITY, DISEASE RESISTANCE AND QUALITY OF THE PRODUCED
COCOONS AMONG FIVE SELECTED SILKWORM RACES IN SERICULTURE
DEVELOPMENT DIVISION, KHOPASI**



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RECOMMENDATIONS

This is to recommend that the thesis entitled **“Hatchability, disease resistance and quality of the produced cocoons among five selected silkworm races in Sericulture Development Division, Khopasi”** has been carried out by SABITRI KOJU for the partial fulfillment of Master’s Degree of Science in Zoology with special paper ENTOMOLOGY. This is her original work and has been carried out under my supervision. To the best of my knowledge, this thesis work has not been submitted for any other degree in my institutions.

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On the recommendation of supervisor Prof. Dr. Madhusudan Man Singh, this thesis submitted by Miss Sabitri Koju entitled **“Hatchability, disease resistance and quality of the produced cocoons among five selected silkworm races in sericulture development division, Khopasi”** is approved for the partial fulfillment of the requirements for Master’s Degree of Science in Zoology with special paper Entomology.

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DECLARATION

I hereby declare that the work presented in this thesis entitled **“Hatchability, disease resistance and quality of the produced cocoons among five selected silkworm races in Sericulture Development Division, Khopasi”** has been done by myself, and has not been submitted elsewhere for the award of any degree. All sources of information have been specifically acknowledged by reference to the author or institution.

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ABSTRACT

The fundamental aim of silkworm rearing is to get robust and sturdy silkworm larvae for easy rearing and production of best cocoons in quality and quantity for a high yielding cocoon crop. This study entitled “**Hatchability, disease resistance and quality of the produced cocoons among five selected silkworm races in sericulture development division, Khopasi**” was carried out in five races namely K1, K2, K3, STD1 and STD2 in Sericulture Development Division (SDD), Khopasi and include two treatments with 200 eggs of each races during the spring season of the year 2014. On the basis of Microsoft Excel 2010 analysis hatchability was found to be maximum in K1 race and minimum in STD2. Disease resistant race was identified as that of STD2 race as this race was least attacked by the disease. Finally K2 was recommended as best quality of cocoon among five races on the basis of shell ratio calculation was found to be maximum.

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ACRONYMS

%	Percentage
°C	Degree celcius
CM	Centimeter
SDD	Sericulture Development Division
NARC	Nepal Agricultural Research Council
TU	Tribhuvan University
NPV	Nuclear Polyhedrosis Virus
CPV	Cytoplasmic Polyhedrosis Virus
No.	Number
Wt.	Weight
gm	Gram
Bf	Before Feeding
Af	After Feeding
RH	Relative Humidity
L1	Length of 1 st larvae
L2	Length of 2 nd larvae