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ARTIKEL PROSEDING INTERNASIONAL

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Penulis : Endah Rita Sulistya Dewi, Ary Susatyo Nugroho, Maria Ulfah

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Authors:

Endah Rita Sulistya Dewi, Ary Susatyo Nugroho, Maria Ulfah

Institutions:

Departement of Mathematics, Sciences and Information Technology, PGRI Semarang University, Indonesia
Jl. Sidodadi Timur No. 24 Semarang Indonesia 50125

email:endahrita@yahoo.co.id

Content:

Abstract

Forest Ungaran Mountain has a variety of plant diversity, one of which is a kind of forest orchids. Along with the wild hunting of Ungaran mountain orchid as well as the transfer of forest land and land for agriculture, productive plantation and community settlement land, the popuasi and natural habitat for Ungaran Mountain Orchid species is decreasing. This study aims to determine the diversity of forest orchids and peoples perceptions of the preservation of orchids Ungaran mountain ex situ in the village Ngesrep Balong, Limbangan Kendal District. This research is a qualitative descriptive research, with purposive sampling. From the sampling result, it was found that there were 12 species of forest found in 8 genera, 10 of which were epiphytic orchids and two other terrestrial orchids. The perception of the community toward the existence of orchids of the ungaran mounts of Limbangan Kendal and to the conservation efforts of the orchid ex situ is very positive.

Keywords:

Ungaran mountain orchid, conservation, perception

Topic:

Sociology and History

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**RUNDOWN OF 1st INTERNATIONAL CONFERENCE ON EDUCATION AND SOCIAL SCIENCE RESEARCH
UNIVERSITAS PGRI SEMARANG
6 Oktober 2018
HARRIS HOTEL SEMARANG**

Time	Activity	Room	PIC
07.00 – 08.00 WIB	Registration	Orange Ballroom	Secretariat
08.00 – 08.05 WIB	Opening	Orange Ballroom	MC
08.05 – 08.15 WIB	INDONESIA RAYA ANTHEM	Orange Ballroom	Dirigen
08.15 – 08.25 WIB	Prayer	Orange Ballroom	Sunan Baedhowi, SHI, M.SI
08.25 – 08.35 WIB	Speech From The Chief of Committee	Orange Ballroom	Dr. Achmad Buchori
08.35 – 08.50 WIB	Speech From The Rector of Universitas PGRI Semarang	Orange Ballroom	Dr. Muhdi, SH, M.Hum
08.50 – 09.05 WIB	Gambang Semarang Modern Dance	Orange Ballroom	Dyah N., M.Hum.
09.05 – 09.15 WIB	Coffee break	Orange Ballroom	Committee
09.15 – 09.47 WIB	Prof. Ocky Karna Radjasa, M.Sc.	Orange Ballroom	Moderator Dr. Mega Novita
09.47 – 10.20 WIB	Prof. Ritthikorn Siriprasertchok	Orange Ballroom	
10.20 – 10.53 WIB	Dr. Nor Fadila Amin	Orange Ballroom	

10.53 – 11.26 WIB	Dr. Leonard Tijing	Orange Ballroom	
11.26 – 11.59 WIB	Prof. Harumi Sato	Orange Ballroom	
12.00 – 13.00 WIB	LUNCH BREAK (ISHOMA)		Committee
13.00 – 15.00 WIB	Parallel session I ICESRE	Orange Ballroom 1	Moderator Dias Andris Umm Kaltsum
13.00 – 15.00 WIB	Parallel session II ICESRE	Orange Ballroom 2	Moderator Ririn Ambarini Rahmat Sudrajat
13.00 – 15.00 WIB	Parallel session III ICESRE	Orange Ballroom 3	Moderator Siti Musarokah Aryan K
13.00 – 15.00 WIB	Parallel session IV ICESRE	Orange Ballroom 4	Moderator Toebagus Galang Pipit Mugi H.
13.00 – 15.00 WIB	Parallel session V ICESRE	Orange Ballroom 5	Moderator Dyah Nugraheni Wawan Coret
13.00 – 15.00 WIB	Parallel session VI ICESRE	Orange Ballroom 6	Moderator Entika Fani P Anas Dzacky
15.00 – 15.15 WIB	Coffee Break	Orange Ballroom	Committee
15.00 – 16.00 WIB	Closing and Certificate distribution	Orange Ballroom	Committee

THE 1st INTERNATIONAL CONFERENCE ON EDUCATION AND SOCIAL SCIENCE RESEARCH

Saturday, 6 October 2018

TIME	PROGRAM						FUNKY ROOM
	ROOM 1	ROOM 2	ROOM 3	ROOM 4	ROOM 5	ROOM 6	
07.00-08.00	Registration						
08.00-08.05	Opening						
08.05-08.15	Indonesia Raya Anthem						
08.15-08.25	Prayer						
08.25-08.35	Speech from the Chief of Committee						
08.35-08.50	Speech from the Rector of Universitas PGRI Semarang						
08.50-09.05	Gambang Semarang Modern Dance						
09.05-09.15	Coffee Break						
09.15-09.47	Plenary Session 1 Prof. Ocky Karna Radjasa, M.Sc						
09.47-10.20	Plenary Session 2 Prof. Ritthikorn Siriprasertchok						
10.20-10.53	Plenary Session 3 Dr. Nor Fadila Amin						
10.53-11.26	Plenary Session 4 Leonard Tijing						
11.26-12.00	Plenary Session 5 Prof. Harumi Sato						
12.00-13.00	Lunch Break						

13.00-15.00	Parallel Session 1	Parallel Session 2	Parallel Session 3	Parallel Session 4	Parallel Session 5	Parallel Session 6	
	<p>Fimeir Liadi Khairil Anwar Desi Erawati Political Identity and Electoral Contestation among Bakumpai Ethnic Groups (A Geopolitical survey in Central Kalimantan)</p>	<p>Santi Andriyani Hayu Dian Sulistiyanti Construct Validity On Teaching Materials of Language Assesment based on Problem-Based Learning</p>	<p>Yovitha Yuliejatiningsih Dini Rakhmawati Desi Maulia Preventing Child Sexual Abuse for Early Childhood through Maternal and Child Health Services Empowerment</p>	<p>Adhi Kusmantoro Th.Indriati Wardani Design of Fuzzy Logic Controller for the Pump Submersible Energy Saving Electricity</p>	<p>Arif Setiawan Entrepreneurship Development Program in University of Muria Kudus</p>	<p>Muhdi Whiteboard Animation Media Development with Smart Peadagogy Approach in Educational Policy Courses</p>	
	<p>Endah Rita Sulistya Study on the Conservation of Forest Orchid and Community Perception towards the Preservation of Ungaran Mountain Orchid in Ex Situ</p>	<p>Chr. Argo Widiharto Study of Bullying Victims Javanese Ethnic from Psychosocial Perspective</p>	<p>Febrian Murti Dewanto Implementation of Gabidroid Media to Increase the Ability of Integers Count Operation</p>	<p>Hadapiningradja Kusumodestoni Android-based Game Puzzle Development as a Media for Introduction of Tourist Objects in Jepara Regency</p>	<p>Suhendri Study of Conformity Behaviour and Self-Confidence from Self Control Perspective</p>	<p>Suparni Setyowati Engineering for Straw Treatment into Renewable Energy using an Environmentally Friendly Biogas (Biotani) Reactor</p>	

	<p>Diah Astriyanti A Descriptive Study on the Students Attitude toward English in a Multilingual Classroom</p>	<p>Nina Sofiana Husni Mubarok Task-Based Learning; Learning Model for Improving Students Ability in English</p>	<p>Retno Nengsih Arfatin Nurrahmah The Effect of Blooms Revised Taxonomy Approach towards the Ability of Solving Mathematical Problem</p>	<p>Ririn Ambarini Arso Setyaji Dian Ayu Zahrani English for Math-Learning Model Based on Local Wisdom with Constructivism Approach for Kindergarten Students</p>	<p>Dianing Ratna W. Nita Andriyani B. Sri Mulyani Dimensions of Moral Taxes of Micro, Small and Medium Enterprises</p>	<p>Pratomo Setiaji Information System transparency of the village data management for the village development</p>	
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	<p>Mei Fita Asri Untari Dwi Prasetyawati DH Sukanto Asep Ardianto Metal Gegana (Media Digital Gerakan Mitigasi Bencana /Digital Media Of Disaster Mitigation Movement) In Learning Of Natural Events Themes In Elementary School</p>	<p>Khoiriya Latifah Bambang Supriyadi Characteristics of Bamboo Fiber as Environmentally Friendly Material for Soil Strengthening</p>	<p>Desi Maulia Ellya Rakhmawati Agus Suharno Suhendri The Improvement of Teachers' Knowledge about Mental Health as a Prevention to Mental Health Problem on Designing School Wellbeing Establishment of Early Childhood Education Level</p>	<p>Aprilia Riyana Putri Model of English Language Materials Based on Nursery Rhymes for Elementary School Students</p>	<p>Dina Prasetyowati Kartinah Sutrisno Dissemination of Mathematics 3-D Textbook to Improve Students Mathematical Communication Ability</p>	<p>Supandi, Agung Handayanto, Aurora Nur Aini, Lilik Ariyanto, Widya Kusumaningsih The Effect of Mobile Phone Application on Mathematics Learning: Students critical thinking skills</p>	
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	<p>Silviana Pebruary M. Yunies Edward, Eko Nur Fuad Perceptions of Factors Affecting Performance of Financing Returns on Baitul Maal wa Tamwil</p>	<p>Hugo Aries S. Sigit Widiyarto The Village fund allocation : The evaluation and progression program of government</p>	<p>Rischa Ferdy Nursita The Implantation of Nationalism in Globalization Era Using Value Clarification Learning Models</p>	<p>Padmi Dhyah Yulianti Tri Suyati Ellya Rakhmawati Anita Chandra Dewi The Design of Comic Development as Effort to Prevent Early Childhood Sexual Abuse</p>	<p>Olyvia Revalita Candraloka Azzah Nor Laila The Improvement of Speaking Ability Using Song-Based Flashcard in Boarding School of Bumi Kartini Jepara</p>	<p>Pratomo Setiaji Creative Bag Industries Have Great Contribution To The Development Level Of The National Economic</p>	
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	<p>Ika Septiana Intonation Contour of Combination of Indonesian Words in Interrogative Sentence with Yes or No Answer Spoken by Autistic Children</p>	<p>Wijaya Widjanarka Electrical Motorcycle Used Solar Energy With Wireless Technology Transfer Method For Smes Transportation In Left-Behind-Isolated Regions</p>	<p>Vivi Ratnawati COUNSELING VALUES IN THE TREASURY OF JAVANESE ETHICS (An observation towards the Javanese in implementing Javanese ethics education which is relevant to counseling values in life)</p>	<p>Theodora Indriati Wardani Arif Wibisono The Roles Understanding The Operasional Instructions of Motherboard Computer and The Practice Frequency in Ability of Assembling The Motherboard Computer</p>	<p>Siti Patonah Duwi Nuvitalia Ernawati Saptaningrum Endang Wuryandini Effectiveness of Inquiry Learning to Empowering Science Process Skills: Case Study of Pre-Service Teacher Primary School</p>	<p>Maryanto Code of Teacher Ethics as a Legal Pillar in Improving The Professionalism of Education</p>	
	<p>Rosalina Br. Ginting Does Interactive Whiteboard Use in Public Policy Courses Improve Learning Outcome</p>	<p>Fenny Roshayanti Ipah Budi M Azizul Ghofar C.W. The Effect of Problem Based Learning for Students Environmental Literacy</p>	<p>Ambarini Asriningsari Azzah Nayla Utilization of Animation Media Planing Social Context Learning Writing Fiction Prose</p>	<p>Wiwik Kusdaryani Maryanto Wijayanto Dissemination WebQuest with Active Learning Strategy On Entrepreneurship Psychology Courses</p>	<p>Sunandar Noviana Dini Rahmawati Dissemination Of MobileMath With Seamless Learning Model On Analytical Geometry Course In the Walisongo State Islamic University</p>	<p>Suwandi Senowarsito Theresia Cicik Sophia Developing English Teaching Material Based on the Environmental Care Character</p>	

	<p>Senowarsito Asropah Siti Musarokah Language Development of Early Child through the Implementation of 3Ps-Based Educative Game Tool</p>	<p>M. Fashihullisan Sugiyono Mukodi The Transformation of Early Marriage in Pacitan as the Impact of Modernization</p>	<p>Chusna Apriyanti Parent Teaching: A Strategy to Build Effetive Communication in Learning among Teachers-Parents- Students</p>	<p>Nurmawati Design of augmented reality book to learning geometry analytic</p>	<p>Lusi Rachmiazasi M. Dissemination product of mobile learning with etnomathematic models</p>	<p>Eem Kurniasih Dissemination interactive whiteboard media in the kindergarten school</p>	
	<p>Intan Indiaty Learning Model Development with Technology Ethno- Pedagogy and Content Knowledge</p>	<p>Mukodi Anti-Corruption Education Model for Millenial Generation in School</p>	<p>Nury Yuniasih Geometry Module with CTL Approach for Elementary School Learning</p>	<p>Djoko Purnomo Rina Dwi S. Nurina Happy Respons Of Macros Program-Based Affective Evaluation Model In Senior High School</p>	<p>Farida Nur Kumala Dwi Agus Setiawan Playstore Based Animal Encyclopedia: Science Learning Motivation</p>	<p>Baju Arie Wibawa Kurnia Widiastuti The Building Assessment of Accessibility for the Disabled People on 1st Campus UPGRIS</p>	

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	<p>Sabian Ustman Sadiani Zainap Hartati Mapping the Mu'allaf Coaching of South Barito and Gunung Mas Regencies of Central Kalimantan</p>	<p>Muhammad Prayito Hypothetical Learning Trajectory of Students on Learning Geometry in Junior High School Grade 7th</p>	<p>Slamet Supriyadi Carsoni Agus Mukhtar Development of Biodiesel Reactor Design for Kemiri Sunan Oil with Ultrasonic Waves</p>	<p>Ahmad Yani Madurese Language Lexical in Kangean Dialect</p>			
15.00-16.00	Closing and Certificate Distribution						

Study on the Conservation of Forest Orchid and Community Perception towards the Preservation of Ungaran Mountain Orchid in Ex Situ

Endah Rita Sulistya Dewi
*Departement of Mathematics, Sciences
and Information Technology,
PGRI Semarang University, Indonesia*
Jl. Sidodadi Timur No. 24 Semarang
Indonesia 50125
email:endahrita@yahoo.co.id

Ary Susatyo Nugroho
*Departement of Mathematics, Sciences
and Information Technology,
PGRI Semarang University, Indonesia*
Jl. Sidodadi Timur No. 24 Semarang
Indonesia 50125

Maria Ulfah
*Departement of Mathematics, Sciences
and Information Technology,
PGRI Semarang University, Indonesia*
Jl. Sidodadi Timur No. 24 Semarang
Indonesia 50125

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Keywords —*Ungaran mountain orchid, conservation, perception*

I. INTRODUCTION

Conservation is defined as protection born from the idea of establishing a protection institution in Europe. Preservation means preserving the remains of natural forests in Europe. In Indonesia, conservation awareness only began in the late 1970s, with the preparation of a draft law on the Conservation of Biological Resources and their Ecosystems, which were only adopted in 1990[1]. Conservation of natural resources today is more directed towards biodiversity conservation. This is because biodiversity is now on the verge of extinction. According to [2]endangered

species need to be saved based on reason, aesthetics, economy and ecosystem stability.

Orchids are very diverse flowering plants belonging to the Orchidaceae family. The existence of species orchids in nature is often threatened with increasing uncontrolle exploitation for economic reasons. The problem of preservation of Ungaran mountain orchids is increasing because orchids are classified as *nontimber forest products* that are quite commercial in Indonesia. According to [3]high exploitation of wild orchids in India because of their use as medicinal plants.

Ungaran mountain orchid is still a primadonna for orchid hobbyists. The existence of wild orchids occupies a high economic value, so many are hunted. However, most of the Ungaran mountain orchid hunters are still reluctant or have difficulty in carrying out conservation or conservation processes. For this reason, ex-situ conservation efforts need to be practiced to prevent the extinction of Ungaran mountain orchid.

[4]is a perspective or assessment, perception including the communication process that arises because of the response to stimulus, and in essence is the view, interpretation, judgment, hope or aspiration of an object.

[5]perception is the result of a process of organizing, interpreting the stimulus received by the senses so that the stimulus is understood and influences subsequent behavior. The factors that influence perception are internal factors including physiological and psychological, and external factors (the existence of a stimulus or a background behind the perception and attention directed to something or a set of objects.

Based on the understanding of these perceptions, it can be seen that the process of perception formation is a process that occurs in individuals. According to Mayo (1998) as cited by [6],society can be interpreted as two

concepts, namely: (1) society as a "common place", that is, the same geographic area and (2) society as "common interests", namely equality of interests based on culture and identity. Community perceptions that are intended in this

II. METHOD

This research is a qualitative descriptive study, which is a study that aims to describe the diversity of natural orchids in the forest of the Limbangan Mountain Resort, Ungaran, Central Java, and the community's perception of the existence of the Ungaran Limbangan Kendal mountain orchid and ex situ conservation of orchids. Data collection in this study was carried out through purposive sampling field observations.

The data obtained were analyzed qualitatively. To measure indicators of perception using a Likert scale that describes certain indicators measured using a score ranging from 1-5 with the following assessment (SS: Strongly Agree) with a score of 5, (S: Agree) with a score of 4, (CS: Simply Agree) with score 3, (TS: Disagree) with a score of

study are perceptions of some individuals who are considered to be able to represent other communities in the same area.

2, (STS: Strongly Disagree) with score 1. The result of the assessment is the number of scores obtained by respondents divided by the maximum score multiplied by 100% [7]

III. RESULTS AND DISCUSSION

Based on a questionnaire given to 20 community respondents living in the village of Ngesrep Balong, it can be seen the level of community perception of the existence of the Ungaran Limbangan Kendal mountain orchid and ex situ conservation efforts. Recapitulation of respondents' answers to the questionnaire given to the social aspects of the existence of mountain orchids Ungaran Limbangan Kendal is presented in Figure 1. as follows,

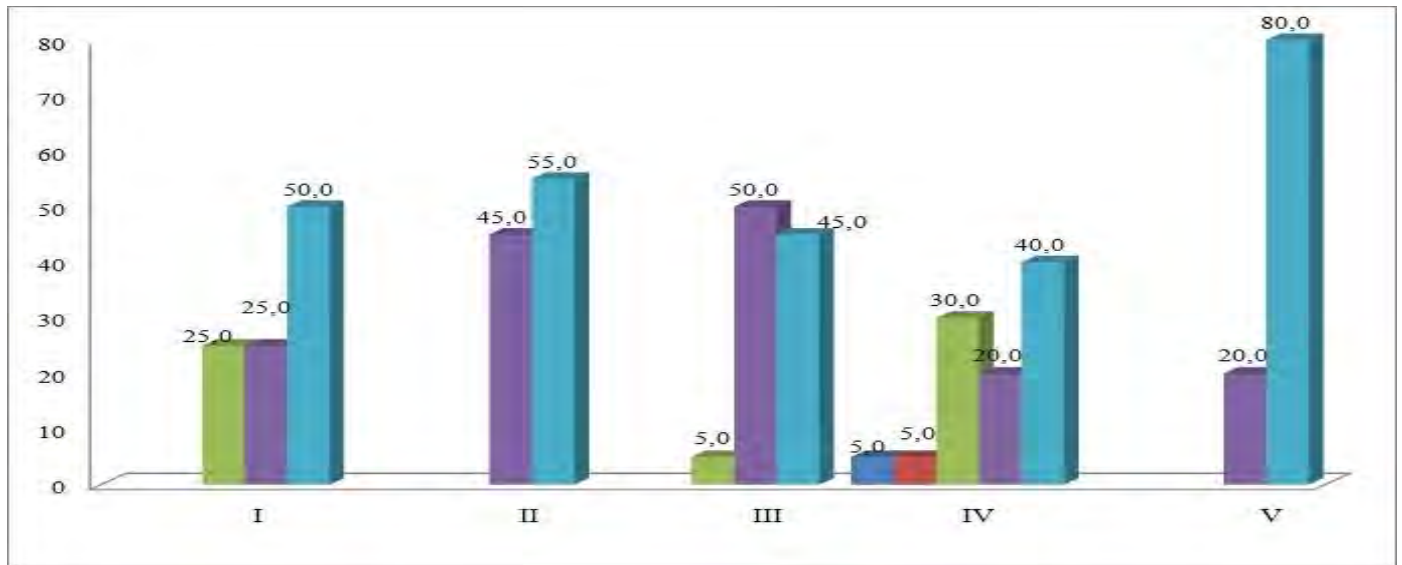


Figure 1. Community Perception of the Existence of Mountain Orchids

Information :

- Strongly Disagree
- Disagree
- Simply Agree
- Agree
- Strongly Agree

- I. Wild orchid plants are still widely found in the mountain forests of Ungaran Limbangan Kendal
- II. Mount Ungaran wild orchid plants have many types
- III. Ungaran mountain orchids live in large trees
- IV. Wild orchid plants have a high selling value
- V. Wild orchids are increasingly threatened

In general, the community's perception of wild orchid plants is still widely found in the mountain forest Ungaran Limbangan Kendal (50%), Mount Ungaran wild

orchid plants have many types (55%), many of the Ungaran mountain orchids live in large trees (45%), Wild orchid plants have a high selling value (40%), wild

orchids are increasingly threatened (80%), these conditions can be concluded that the community understands that many wild orchid plants or mountain orchids in their area are still many. The community also realizes that the existence of wild orchids is increasingly threatened.

Perception is the result of a process in which a person organizes and interprets an object or stimulus so as to obtain a clear picture of the object. In this case, the object that is perceived is the existence of wild orchids in Ungaran Mountain. The picture is obtained through a sensing process, involving information and experiences that either occur to him or others that are obtained so that it influences him in giving the perception.

Public perception of the existence of mountain orchids Ungaran Limbangan Kendal based on the *Coelogyne speciosa*, *Cymbidium sp*, *Calanthe sp-1*, and *Calanthe sp-2*.

Furthermore, community perceptions of the ex situ orchid conservation efforts are presented in Figure 2. As follows,

calculation of the Likert scale obtained 22 points included in the category of very positive, in the range of values (21-25). The perception is very positive because of the knowledge and information obtained by the people who live around the forest area and experience for a dozen years living in the vicinity.

From the sample results obtained that the forest orchids found on Mount Ungaran Limbangan Kendal consist of 12 species from 8 genera, 10 of which are epiphytic orchids and two other types of terrestrial orchids. These orchids are *Dendrobium crumenatum*, *Dendrobium tetradon*, *Dendrobium linearifolium*, *Dendrobium mutabile*, *Agrostofilum bicuspidate*, *Bulbofilum lepidum*, *Vanda tricolor*, *Eria speciosa*,

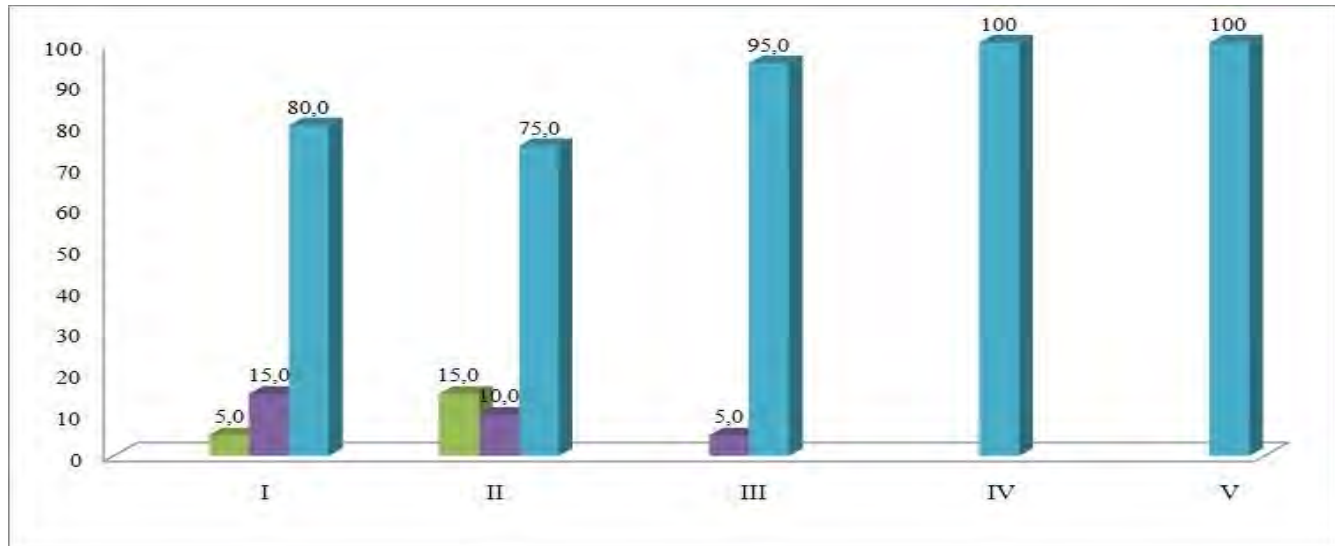


Figure 2. Community perception of ex situ orchid conservation efforts.

Information :

- Strongly Disagree
- Disagree
- Simply Agree
- Agree
- Strongly Agree

- i. Ungaran mountain orchids can be reduced in population due to poaching
- ii. Tree felling can threaten the existence of orchids in their natural habitat
- iii. Conservation is a strategic effort to overcome the damage impact of mountain orchids
- iv. The goal of conservation is to conserve biodiversity that is beneficial to science and Society

- v. Ungaran mountain Forest is an area that must be conserved for the life of orchids and other animals

In general, people's perception of Ungaran mountain orchid plants can be reduced due to poaching (80%), logging can threaten the existence of orchids in their natural habitat (75%), Conservation is a strategic effort to overcome the impact of mountain orchid damage (95%),

Purpose conservation is conserving biodiversity that is beneficial to science and society (100%), Ungaran mountain Forest is an area that must be conserved for the life of orchids and other animals (100%). These conditions can be concluded that the community strongly approves conservation efforts for plants wild orchids or mountain orchids in their area.

Community perception of the mountain orchid conservation effort Ungaran Limbangan Kendal ex situ based on the calculation of the Likert scale obtained 24.45 values included in the category of very positive, in the range of values (21-25).

Ex-situ conservation efforts need to be practiced to prevent the extinction of Ungaran mountain Orchid. The village also has regulations that support this conservation effort, which is contained in the Village Regulation No. 1 of 2007 concerning the environment. Chapter 2 Article 2-5: "Protection of environmental functions and processes and the utilization of their resources are based on independence, equal opportunities for functions and its use, respect for the values that are still valid, the needs of the local community, the preservation of the ability of functions and processes and the utilization of natural resources and other rural environments in a harmonious, balanced, controlled, organized and sustainable manner".

According to [8] there is an urgent need to conserve valuable biological resources in natural habitats that are equipped with conservation using modern methods of conservation such as in vitro conservation, seed storage. A network of institutions involved in orchid conservation coupled with a strong orchid breeding program will increase the use of wise orchids.

IV. CONCLUSION

1. A forest orchid found in the village of Ngesrep Balong, District of Limbangan Kendal Regency consists of 12 species from 8 genera, 10 of which are epiphytic orchids and two other types of terrestrial orchids.
2. Community perceptions of the ex situ conservation of the mountain orchid Ungaran Limbangan Kendal are very positive
3. Ex-situ conservation efforts need to be practiced to prevent the extinction of Ungaran mountai Orchid

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