



## Knowledge Transfer Based Local Wisdom by Learning Method Buddy Program In District Bengkayang

**Priska Vasantan<sup>1</sup>, Helena Anggraeni Tjondro Sugianto<sup>2</sup>**  
**Management Science High School Shanti Bhuana, Bengkayang, West Kalimantan, Indonesia<sup>1,2</sup>**  
**[priska@shantibhuana.ac.id](mailto:priska@shantibhuana.ac.id)<sup>1</sup>, [helena@shantibhuana.ac.id](mailto:helena@shantibhuana.ac.id)<sup>2</sup>**

---

**Keywords :**

Knowledge transfer , local  
wisdom

**ABSTRACT**

*Knowledge transfer is one of knowledge management. Knowledge transfer based on local wisdom is very helpful in learning methods in schools and universities, especially at the outermost district in Indonesia. This study is research in one school that located in Bengkayang which is one of the districts the outermost in Indonesia that the student has behind from academic, computer ability, Indonesian language, English language, etc. Therefore this study aims to show the importance of knowledge transfer based on local wisdom in learning in this school. The aim of this research is show that knowledge transfer based on local wisdom is very helpful in learning method especially at district Bengkayang, one of the outermost district in Indonesia.*

---

### INTRODUCTION

This school, namely school A was established in Bengkayang, one of the districts the outermost in Indonesia. School A has provided learning facilities, lecturer, infrastructure facilities (computer laboratory, multimedia laboratory, Learning Management System (LMS), Academic Information System (AIS), WIFI, etc.). But local knowledge of students is under the standart from graduate high school, for the example math skills, ability to analyze, computer ability, Indonesian and English language, etc. This has been revealed by workshop West Borneo Governor in 2010. That lowest of local knowledge has pursue the implementation of knowledge transfer from tacit to tacit, tacit to explicit in lectures process.

Based on the previous research "Blended Learning Method Based On Local Wisdom As A Spiritual Guidance of Holy Trinity Community in Bengkayang District" is the implementation of blended learning method to Holy Trinity Community based on local wisdom which is very helpful for members to learn spirituality. Similarly, the approach through local wisdom in the community greatly influences the aspect of spirituality in the life of a society (Helena, 2016). Therefore, School A implement knowledge transfer based on local wisdom with buddy program approach .

This buddy program participated from a number of students who act as mentor of academic (MA) and mentor of integrity (MI). Mentor of academic(MA) has academic competence while mentor of integrity (MI) has integrity competence as measured in the accumulation point of ICP

(Integrity Credit Points). MA and MI guide minimal 5 students that called allievo (man) and allieva (woman).

## METHOD

This research use qualitative methods the phenomenology approach. The focus of this research was knowledge transfer with local wisdom base in school A, Bengkayang. This study analyzes learning method with buddy program that has been implement in STIM Shanti Bhuana. The methods in this research were through observation, in-depth interview , and study literature . The observation included description knowledge transfer with buddy program. The interview and observation of this research involved 70 students school A.

## RESULTS AND DISCUSSIONS

### Local wisdom Bengkayang community

Local wisdom of Bengkayang community is closely related to the method of learning. There are some local wisdom of Bengkayang community that is as follows:

First; majority of people's livelihood in district Bengkayang is planters, farmer, rubber incisions, etc. (Prisca, 2016). Their lives is very flat, relax to wait the harvest. Their food has always been available in nature so they doesn't difficult to sufficient their need.



*Fig 1. Communal life school A student*

Second; majority of Bengkayang people is Dayak who have a communal society with life together. This can be seen in the lives of people who still live in their customary homes, Betang house which consisting of several families.



*Fig 2. The Front View of Betang House*



*Fig 3. The Side View of Betang House*

Third ; the lagging of local knowledge has impacted from the limited of telecommunication facilities. Telecommunication facilities such as television must use a satellite dish as a signal catcher. Similarly, the signal telecommunication devices such as cellular phones is difficult to find in some place in Bengkayang and can only be reached in areas with a signal transmitter.

Local constraint of Bengkayang community that appears in students.

First; habits to waiting the harvest of their life impact to way student's learn. Therefore, students need a motivator to their life that motivation to their learn habits. In addition, it also affects the student's learning type which consists of kinestetik, visual and auditory.

Second; this communal society has a habit of gathering with friends, having fun to closely their friendship. This can be seen from the priority of life is have fun or gathering with friend then study.

Third; the restricted of local knowledge Bengkayang people about the outside world caused that lack of availability information example television, mass media etc. That local knowledge about academic, globalization, etc. are impact to knowledge transfer such as tacit to tacit, tacit to explicit, explicit to tacit knowledge students.

#### Buddy Program

This program is a mentoring program that the older level student who have a learning experience both academically and integrity coach the lower student. During this semester, student of class 2017 is accompanied by MA MI from students of class 2016. Currently there are 5 groups of buddy in each study program. One buddy group consists of one mentor of academic (MA) and one mentor of integrity who coach 5 allievo/allieva.

In every lecture week provided mentoring time that can be done inside or outside the classroom depending on the work program MA/MI. In dormitory, allievo and allieva study together with mentors academic or mentor integrity. In the mean time knowledge transfer is work between mentors and their alievo/allieva as motivator.

In the other side, STIM Shanti Bhuana made the workshop "Smart Learning" which has been known that 60% of students have kinesthetic learning type , 15% auditory type and 25% visual learning type . Students with kinesthetic learning type have characteristics to imitate and move, auditory type characteristics are as listeners whereas visual type characteristics are observers. From this it can be concluded that they have a tendency to imitate and prefer learning by practice. Therefore, MA/MI can motivate and be a guidance for their allievo/allieva in everyday life and practice integrity through dormitory duties, they can practices how to be entrepreneur and manager that has been implemented through bazaar which the student can practice their management and entrepreneurship ability. Therefore knowledge transfer is more easily to be done through field practice.



*Fig 4. Smart Learning Workshop*

#### Approach

Learning method with buddy program help resolve local constraints in school A. At the first local constraint, there is a mentor academic and mentor integrity as motivator and facilitator knowledge transfer of student learning. This accompaniment is done in everyday life both in college life and dormitory life. At school, school A places special time for mentoring buddy program, and can also be done during dormitory time. In dormitory life, students and their mentors learn together about integrity through performing dormitory duties and personality coaching through the mentor's own personality. This is very helpful that the student have a 60% kinesthetic student learning type who practices field practice with a mentor.

The second local constraint, in the dormitory life, the student have habits low learning passion that be basic of the student do their task and study hard. Mentoring of buddy program is very helpful to motivate and be guidance academic and integrity especially about efficiency and effectiveness of study such as study time and field practice.

The third local constraint, the lagging of owned local knowledge majority of students are so high that it inhibits knowledge transfer both tacit knowledge and explicit knowledge. Buddy program is very helpful knowledge transfer can be done with a specific type of student learning.



*Fig 5. Bazaar*



*Fig 6. UKM Kebun Organik in Bazaar*

Knowledge transfer through the buddy program is closely related to local knowledge, local wisdom and student culture which includes from a renaissance construction. (Meliono, 2011).

Table 1  
Interview Result

	<b>Statement</b>	<b>Aim</b>	<b>Results</b>
1	Motivation in learning	Motivation to learn	Increased student's motivation to learn
2	Practice field	Work practice	Facilitate knowledge transfer of student with kinesthetic type learning
3	Mentoring	Mentoring	Effective and efficient learning and increased local knowledge of student

## CONCLUSION AND SUGGESTION

Knowledge transfer based on local wisdom on student learning in the outermost is very helpful for improvement of local knowledge of student. Buddy program is very good learning method to knowledge transfer based on local wisdom especially in Bengkayang district, one of the outermost district in Indonesia

## ACKNOWLEDGMENT

We would like to thank to school A and related parties for permit to use and support for my research.

## REFERENCES

- AD Firmanto and N Setiyaningtiyas, Local Wisdom as Integration of the Cosmic and the Metacosmic Perspectives in Indonesian Philosophy of Education, 3rd International Conference on Education and Training (ICET 2017), Advances in Social Science, Education and Humanities Research, volume 128.
- A Wicaksono and Y Susanti, Addressing Local Knowledge and Local Wisdom Through Writing Using Project Based Learning Viewed From Students' Learning Styles In Cross Culture Understanding Class, The 5Th ELTLT International Conference Proceedings October 2016, ISBN 978-602-73769-3-9
- C Murphy, Transferring Knowledge and Life Experience between Generations: The Potential of Community based Intergenerational Projects, School of Social Sciences and Law, College of Arts and Tourism, Dublin Institute of Technology, July 2012
- EA Smith, The role of tacit and explicit knowledge in the workplace, Journal of Knowledge Management, Volume 5, Number 4, 2001, pp. 311±321 # MCBUniversityPress . ISSN1367-

- EP Astutik, Hobri, N Yuliati, and Suharto, Developing Instructional Instruments Based on The Local Wisdom of Osingese Society's of Banyuwangi Through Guided Discovery to Enhance The Students Mathematical Communication Ability, *International Journal of Scientific Research and Management (IJSRM)*, Volume 5 Issue 12 Pages 7619-7624, 2017, Website: [www.ijsrm.in](http://www.ijsrm.in) ISSN (e): 2321-3418 Index Copernicus value (2015): 57.47, (2016):93.67, DOI: 10.18535/ijsrm/v5i12.07
- HAT Sugianto, Local Wisdom As An Important In The Spiritual Capital Of Traditional Kinship, *Proceeding International Multidiciplinary Conference And Call Paper*. ISBN: 978-602-74918-1-6, Desember 6-7, Pontianak, Indonesia, Published: STKIP Singkawang.
- I Meliono, Understanding the Nusantara Thought and Local Wisdom as an Aspect of the Indonesian Education, *TAWARIKH: International Journal for Historical Studies*, 2(2) 2011
- JB Jainis and NJB Taisi, Learning Approach of Reading The Kadazandusun Language Through Songs and Computer Based Music For Standard One Student, *International Review of Humanities Studies Vol.3, No.5, January 2018*, e-ISSN: 2477-6866, p-ISSN: 2527-9416 [www.irhs-fibui.org](http://www.irhs-fibui.org), pp. 91-96
- L Tsui and SAC Laurie Schnirer Sheena Stewart, *A Handbook on Knowledge Sharing:Strategies and Recommendations for Researchers, Policymakers, and Service Providers*, 2006
- N. Dayasindhu, *Embeddedness, Knowledge Transfer, Industry Clusters and Global Competitiveness: A Case Study of The Indian Software Industry*, FPM Office, IIMB, Bannerghatta Road, Bangalore 560076, India, Received 22 May 2001; received in revised form 31 August 2001; accepted 24 September 2001
- N Wisnuaji, Local Wisdom-Based Trisakti MMQS Curricullum, *International Cooperation for Education about Standardization (ICES)*, 12-14 June 2013 at ETSI, Sophia Antipolis, France
- P Vasantan, Blended Learning Method Based On Local Wisdom As A Spiritual Guidance Holy Trinity Community In District Bengkayang, *Journal Of Education, Teaching and Learning*, Volume 1 Number 1 March 2016, Page 36-40, p-ISSN:2477-5924-e-ISSN: 2477-4878.
- R Bardy, A Rubens and P Eberle, *Building Intellectual Capital for Sustainable Development: Combining Local Wisdom and Advanced Knowledge*, USA, ISSN 1479-4411 159 ©ACPIL
- R Bardy, A Rubens and P Eberle, *Building Intellectual Capital for Sustainable Development: Combining Local Wisdom and Advanced Knowledge*, *The Electronic Journal of Knowledge Management* Volume 15 Issue 3 2017, (pp159-169) available online at [www.ejkm.com](http://www.ejkm.com)
- RKS Idris, Local Wisdom In Siriban and The Impact On The Kadazandusun Society Formation, *International Review of Humanities Studies* [www.irhs-fibui.org](http://www.irhs-fibui.org), e-ISSN: 2477-6866, p-ISSN: 2527-9416 Vol.2, No.4, July 2017, pp. 56-61
- S Ambarwangi and S. Suharto, *Science Must Become Local Wisdom , the Global Collaboratory.™*, Copyright © 2014 DuPont. All rights reserved. The DuPont Oval Logo, DuPont™, and all products denoted with ™ or ® are trademarks or registered trademarks of DuPont and or its affiliates.
- W Chaiphar, TPNSakolnakorn & A Naipinit, Local Wisdom in the Environmental Management of a Community: Analysis of Local Knowledge in Tha Pong Village, Thailand, *Journal of*

Sustainable Development; Vol. 6, No. 8; 2013 ISSN 1913-9063 E-ISSN 1913-9071,  
Published by Canadian Center of Science and Education

W Mekhum, Direction to Manage OTOP Entrepreneurship Based on Local Wisdom, World Academy  
of Science, Engineering and Technology International Journal of Economics and Management  
Engineering Vol:6, No:8, 2012

Knowledge Transfer Strategies, New York State Dept of Civil Service/Governor's Office of Employee  
Relations, IPMA News: Feb.'04, pp9-10 [online]  
<http://www.cs.ny.gov/successionplanning/planning/knowledge.html>