# The Validity and Reliability of the Online Cooperative Learning Attitude Scales in the Indonesian Language

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Abstract— Interactive online learning requires students' cooperation. Online cooperative learning focuses on learning activities on group cohesiveness to achieve the highest cognitive level. Students can improve their teamwork skills, problemsolving skills, social skills, self-confidence, academic success, and metacognition levels cooperative through online activities. The Online Cooperative Learning Attitude Scales (OCLAS) scale is a tool to measure students' attitudes towards online cooperative learning. Education in Indonesia Indonesian as the language instruction. Therefore, the adaptation of measurement tools such as OCLAS into the Indonesian language is crucial. This study aimed to adapt OCLAS into Indonesian by translating the original OCLAS into the Indonesian language and determining the instrument's validity and reliability. The OCLAS has three main components: positive interdependence, individual accountability, and group processing for equal individual contribution. The original version contained 17 statements with responses using a Likert scale of five and seven points. We validated the OCLAS using the item-correlation method. The reliability was measured using the Cronbach's Alpha method, which is useful for measuring internal consistency. The original OCLAS was translated into the Indonesian Language. A language center in a prominent university performed verification of forward and backward translation of the Indonesian OCLAS. The Indonesian-OCLA was distributed to 59 students at a private university from the pharmacy and non-pharmacy study programs

and 275 high school students. The validation results showed seven invalid items for pharmacy students, five invalid items for non-pharmacy students, and six invalid items for high school students. The Indonesian-OCLAS has Cronbach's Alpha reliability with a value of 0.711 for pharmacy students, 0.791 for non-pharmaceutical students, and 0.702 for high school students. This study showed that ten out of 17 statements had good validity, and they were reliable. Therefore, we recommended the usage of the Indonesian-OCLAS toward high school and college students.

Keywords— attitude, collaboration, cooperative, measurement, online learning, student-centered learning.

## I. INTRODUCTION

Online learning has become a habit since the 2020 Pandemic. However, we need the driving factors that make the online learning experience more meaningful. Qualitatively, researchers show that the urge to do better online learning continues [1]. Students feel that a variety of innovative and collaborative learning approaches will encourage student involvement in the study [1]. Studies in Indonesia [2] and Bangladesh [3] showed complaints against online learning from teachers and students. Students and teachers want cooperative learning. However, it has not been achieved; previous research showed that online learning only showed mediocre collaborative and cooperative learning achievement [3]. Meanwhile, research at the University of Jambi [2] showed that the most respondents (48%) felt that the portion of self-independent learning is only 1-2 times a day. A descriptive study in India [4] also resulted in online and blended learning similar to those in Indonesia and Bangladesh. These previous researches showed that students have not yet discovered the essence of online learning independently. Online learning has increased significantly since the pandemic. The increase in the number of online conference users reached 253% from March 2020 to June 2021 [5].

One of the factors driving online learning to become more meaningful is the student's willingness to learn collaboratively in online learning situations. Previous research showed a moderate positive correlation between students' attitudes toward collaborative learning and students' sense of community (r(198) = 0.672, p < .01) [6]. This research supported evaluative facts about the need for interaction in online learning. Collaborative learning becomes a bridge between students in online learning, which creates a sense of community. If this sense of community continues, students can be responsible or care about their learning community. Previous researchers also tried a collaborative online learning approach by involving a collaborative and online concept mapping tool. [7]. The research team also used OCLAS [8] to measure student attitudes towards the new approach [7]. The driving factor in asynchronous online learning also showed that the course structure positively affected both students' satisfaction academic achievement. In addition, the relationship between student interactions with other students and the presence of an instructor has a positive effect on student engagement [9].

Educators need a valid and reliable tool to measure students' attitudes towards the application of online cooperative learning. The measurement results of this tool will later assist educators in evaluating the learning activities that have taken place. Online Cooperative Learning Attitude Scale (OCLAS) is an instrument to measure students' attitudes towards online cooperative learning [8]. Students can fill out this

instrument independently (self-assessment) based on their own learning experiences. OCLAS has 17 items that measure students' positive and negative attitudes towards the implementation of online cooperative learning [8].

Online learning in Indonesia primarily Indonesian as the language instruction. educators Therefore. Indonesia need measuring tools to measure students' attitudes towards online cooperative learning. Furthermore, using instruments with different source languages and cultural contexts requires cultural adaptation and translation [10]. Therefore, the translation of OCLAS into the Indonesian language is crucial. Furthermore, this instrument helps improve the quality of cooperative online learning and students' performance in online learning.

Based on the explanation above, this research aims to validate and determine the reliability of OCLAS in the Indonesian language. Furthermore, adapting and validating OCLAS in Indonesian and testing students' attitudes towards cooperative online learning will contribute to the main objective.

## II. METHOD

This research is a quantitative research to adapt the Online Cooperative Learning Attitude Scale (OCLAS) [8] into the Indonesian language. The first step in the process of adapting the measuring instrument is translating the measuring instrument into Indonesian. Then, we retranslated (back translation) the Indonesian version to English to test the translation's consistency. Indonesian language experts carried out the translation process at a reputable University's Language Center. After the translation process, the Indonesian language OCLAS was tested on the research sample.

The population of this study were college students and high school students. The selection process utilized the measuring instrument's characteristics that aim to measure the assessment of educators and educational institutions related to the development of online learning. Based on data from the Central Statistics Agency [11], researchers found the number of high school students in Indonesia was around 4.8 million people. Data for the number of students is around 7.3 million people [12]. Bartlett, Kotrlik, and Higgins [13] explained that if the population is more than 10,000, the researcher could take a minimum sample of 119. Based on the population range and the theory, the number of participants in this study was 334, with the status of college students and high school students currently conducting online learning in their respective residences.

### **OCLAS** Instrument

Researchers used the OCLAS [8] to measure the attitudes of college students and high school students in online learning. OCLAS provides an overview of students' attitudes and abilities in dealing with online learning environments [8].

OCLAS is a measuring instrument in a Likert scale with a scale of one to five and contains 17 items. On each item, participants should choose from a scale of one (never) to five (always). An example of an OCLAS item is "Saya menikmati pengalaman belajar kooperatif melalui ABKD bersama anggota kelompok saya". Table 1 showed the results of the translation of OCLAS into Indonesian.

To seek validity, we utilized the Corrected item-total Correlation technique to determine each item's validity. In addition, we used the Cronbach's Alpha coefficient technique to determine the reliability of the OCLAS measuring instrument.

Table 1. Original and Indonesian Version of OCLAS

Items	OCLAS Original	OCLAS-Indonesian
1	I enjoy solving	Saya senang
	problems	menyelesaikan
	regarding the	masalah yang terkait
	group project	dengan tugas
	using Online	kelompok saya
	Learning	bersama anggota
	Application	lainnya melalui
	(OCLA) with my	Aplikasi Belajar
	group member.	Kooperatif Daring

Items	OCLAS Original	OCLAS-Indonesian
		(ABKD).
2	Being interactive	Berinteraksi dengan
	with the other	anggota kelompok
	group members	lainnya melalui
	using OCLA	ABKD meningkatkan
	increases my	motivasi belajar
	motivation for	saya.
	learning.	
3	I enjoy	Saya menikmati
	experiencing	pengalaman belajar
	cooperative	kooperatif melalui
	learning using	ABKD bersama
	OCLA with my	anggota kelompok
	group members.	saya.
4	Online group	Kegiatan kelompok
	activity increases	secara daring
	our creativity.	meningkatkan
		kreativitas kami.
5	I believe that the	Saya yakin dengan
	group can work	kemampuan
	on a document	kelompok saya untuk
	effectively with	mengerjakan sebuah
	the online	dokumen secara
	cooperative	efektif dengan
	learning	bantuan ABKD.
	applications.	ADED 1 I I
6	OCLA improves	ABKD meningkatkan
	my social skills.	kemampuan sosial
7	Tanian kalaina	saya.
/	I enjoy helping others in OCLA.	Saya senang
	oulers in OCLA.	membantu orang lain dalam ABKD.
8	OCLA is very	Bagi saya, ABKD
O	entertaining for	sangat
	me.	menyenangkan.
9	OCLA helps me	ABKD membantu
	feel better	saya merasa lebih
	psychologically.	baik secara
	1-	psikologis.
10	More ideas come	Semakin banyak ide
	up as a result of	yang muncul berkat
	OCLA.	ABKD.
11	I think that I have	Saya merasa saya
	had/will have	sudah/akan mencapai
	more successful	hasil yang baik sejak
	results since I	saya bekerja dalam
	work with a group	kelompok melalui
	in OCLA.	ABKD.
12	Traing to touch	Mengajarkan
	Trying to teach	
	something to my	anggota kelompok
	something to my group members in	anggota kelompok saya dalam ABKD
	something to my group members in OCLA makes me	anggota kelompok
10	something to my group members in OCLA makes me tired.	anggota kelompok saya dalam ABKD membuat saya lelah.
13	something to my group members in OCLA makes me tired. OCLA does not	anggota kelompok saya dalam ABKD membuat saya lelah. ABKD tidak masuk
13	something to my group members in OCLA makes me tired.  OCLA does not make any sense to	anggota kelompok saya dalam ABKD membuat saya lelah.
	something to my group members in OCLA makes me tired. OCLA does not make any sense to me.	anggota kelompok saya dalam ABKD membuat saya lelah. ABKD tidak masuk akal bagi saya.
13	something to my group members in OCLA makes me tired.  OCLA does not make any sense to	anggota kelompok saya dalam ABKD membuat saya lelah. ABKD tidak masuk

Items	OCLAS Original	OCLAS-Indonesian
	OCLA	saya sendiri dalam
		ABKD.
15	I don't like that	Saya merasa tidak
	people are	nyaman ketika orang
	depending on me	lain bergantung pada
	in OCLA.	saya dalam ABKD.
16	I don't think that	Saya merasa bahwa
	my interaction	interaksi saya dengan
	with my group	anggota kelompok
	members in	saya dalam ABKD
	OCLA will make	tidak akan
	any contribution	memberikan manfaat
	to me.	apapun bagi saya.
17	OCLA is not	ABKD tidak cocok
	suitable for me.	bagi saya

### III. RESULTS AND DISCUSSION

## A. RESULT

Researchers tested the validity of the Indonesian OCLAS using the corrected-item total correlation (rcitc) technique. In this validity test, the correlation limit of 0.3 is considered to be valid. Sample for the validity test were the Pharmacy students, Non-Pharmaceutical students, and high school students.

The validity calculation produced a range of item correlations from -0.170 to 0.711 as shown in Table 2. For the group of Pharmacy students, items that were declared invalid were item number 1 ( $r_{citc} = 0.298$ ), number 12 ( $r_{citc} = 0.294$ ), number 13 ( $r_{citc} = -0.059$ ), number 14 ( $r_{citc} = -0.052$ ), number 15 ( $r_{citc} =$ 0.127), number 16 ( $r_{citc} = 0.173$ ), and number 17 ( $r_{citc} = -0.106$ ). In the Non-Pharmacy student group, the invalid items were item number 12 ( $r_{citc} = 0.099$ ), number 13 ( $r_{citc} =$ 0.047), number 14 ( $r_{citc} = 0.075$ ), number 15  $(r_{citc} = 0.069)$ , and number 17 (  $r_{citc} = 0.095$ ). Meanwhile, in the group of high school students, the invalid items were item number 12 ( $r_{citc} = 0.124$ ), number 13 ( $r_{citc} = -0.027$ ), number 14 ( $r_{citc} = 0.012$ ), number 15 ( $r_{citc} =$ 0.061), number 16 ( $r_{citc} = 0.030$ ), and number 17 ( $r_{citc} = -0.170$ ). Therefore we concluded that the Indonesian OCLAS would have ten items instead of 17. We removed invalid items number 1, 12-17.

**Table 2. OCLAS Validity Test Results** 

Item	Corrected Item-Total Correlation Pharmacy	Corrected Item-Total Correlation Non- Pharmacy	Corrected Item-Total Correlation SMA
1	0.298*	0.537	0.445
2	0.422	0.342	0.524
3	0.427	0.314	0.493
4	0.497	0.624	0.494
5	0.436	0.692	0.432
6	0.488	0.372	0.462
7	0.319	0.427	0.419
8	0.388	0.599	0.453
9	0.711	0.697	0.409
10	0.498	0.691	0.460
11	0.638	0.575	0.554
12	0.294*	0.099*	0.124*
13	-0.059*	0.047*	-0.027*
14	-0.052*	0.075*	0.012*
15	0.127*	0.069*	0.061*
16	0.173*	0.348	0.030*
17	-0.106*	0.095*	-0.170*

<sup>\*</sup> Items were invalid due to the  $r_{citc}$ .

We conducted a reliability test using the Cronbach's alpha coefficient with a correlation coefficient value of 0.7 for the measuring instrument declared reliable. Table 3 showed the results of the OCLAS reliability test. The Indonesian OCLAS is a reliable measuring tool.

**Table 3. OCLAS Reliability Test Results** 

Items Total	Pharmacy	Non- Pharmacy	SMA
17	0.711	0.791	0.702

#### **B. DISCUSSION**

In this study, our team has adapted OCLAS into Indonesian. OCLAS is useful in measuring students' attitudes towards online cooperative learning applications. Overall, OCLAS measures two factors, namely negative and positive students' attitudes towards OCLAS [8]. Items 1 through 11 assessed students' positive attitudes, while items 12 through 17 assess students' negative attitudes toward online cooperative learning.

We found that all items measuring negative attitudes (items 12-17) were invalid through validity correlation values. Number one was also invalid for the Pharmacy students. Therefore, we also excluded it. Based on the validation results, these ten items measured positive attitudes toward online cooperative learning. Scoring for Indonesian OCLAS ranged from 10 to 50. The higher the score is the higher the attitudes toward online cooperative learning.

Researchers utilized the Cronbach alpha coefficient for reliability testing. According to psychometric rule, a measuring instrument is declared valid if its coefficient value is more than 0.7. Based on the reliability test results, the results were 0.711 for pharmacy students, 0.791 for non-pharmaceutical students, and 0.702 for high school students. Therefore, we concluded that the Indonesian version of OCLA is reliable because the coefficient value of the three groups was more than 0.7. Table 4 showed the Indonesian OCLAS after the validity and reliability test.

We can think of four things from the analysis of invalid items in numbers 12-17. First, participants found them difficult to fill negative attitudes towards cooperative learning. In Indonesia, online cooperative learning cannot create the wanted outcome. Participants felt ambiguous with the sudden change in learning methods to online learning during the COVID-19 pandemic [14]. The second analysis is the heterogeneity of internet access in Indonesia in terms of internet availability and speed. This caused a variety of students' opinions about online learning [15–17]. A similar study in Malaysia also revealed a similar thing [18]. The third was the heterogeneity of the use of online learning platforms in schools and colleges [19-21]. Schools and universities interpret online learning in various ways. Not all educational institutions utilized LMS. Online learning can include various ways; some used Whatsapp [21], social media [22], and some better arrangement institutions utilized the LMS platforms [23] Lastly, the difficulty of educators in conducting collaborative and cooperative online learning was another reason [24–26]. At the same time, access to training was also limited to online learning training, which is primarily one-way or with ineffective assistance. When participants answered or judged themselves on negative attitudes, especially regarding assistance for themselves and their class, of course, they were also very diverse. Likewise, about the level of self-comfort.

Ambiguity in the interpretation of the translation from English to Indonesian can be one of the reasons why statement number 13 is invalid [27]. Statement number 13 in Indonesian, "ABKD tidak masuk akal bagi saya". The phrase "tidak masuk akal" was confusing for respondents. The meaning association of "tidak masuk akal" in the Indonesian language was multiple. The meaning can mean irrational or crazy, mentally unhealthy, extraordinary, disturbed, too excessive. There are at least more than meanings of the phrase. measurement can lead to various interpretations. We propose that the translation of "OCLA does not make any sense to me" would be "Saya merasa ABKD adalah hal yang tidak terbayangkan sama sekali".

Item number 1 was an invalid item for the Pharmacy students' group. This is because pharmacy students' characteristics of assignments or teaching materials may be more effective with independent study than online group work. On the other hand, in non-pharmacy and high school students, this number one positive attitude statement was a valid item. However, to provide certainty, we have removed this item from the Indonesian OCLAS for the time being until further research.

Table 4. Indonesian OCLAS after the Validity and Reliability Test

Items	Indonesian-OCLAS
2	Berinteraksi dengan anggota kelompok lainnya melalui Aplikasi Belajar Kooperatif Daring (ABKD) meningkatkan motivasi belajar saya.
3	Saya menikmati pengalaman belajar kooperatif melalui ABKD bersama anggota kelompok saya.
4	Kegiatan kelompok secara daring

Items	Indonesian-OCLAS
	meningkatkan kreativitas kami.
5	Saya yakin dengan kemampuan
	kelompok saya untuk mengerjakan
	sebuah dokumen secara efektif
	dengan bantuan ABKD.
6	ABKD meningkatkan kemampuan
	sosial saya.
7	Saya senang membantu orang lain
	dalam ABKD.
8	Bagi saya, ABKD sangat
	menyenangkan.
9	ABKD membantu saya merasa lebih
	baik secara psikologis.
10	Semakin banyak ide yang muncul
	berkat ABKD.
11	Saya merasa saya sudah/akan
	mencapai hasil yang baik sejak saya
	bekerja dalam kelompok melalui
	ABKD.

## IV. CONCLUSION

The purpose of this research was to validate and determine the reliability of OCLAS-Indonesian. The Indonesian version of the OCLAS validation test showed ten valid and seven invalid items. In addition, this instrument also obtained a reliability test of 0.711 in pharmaceutical students, 0.791 in non-pharmaceutical students, and 0.702 in high school students. Therefore, the Indonesian version of OCLAS was reliable based on the test.

#### REFERENCES

- [1] E. A. Humphrey and J. R. Wiles, Lessons Learned through Listening to Biology Students during a Transition to Online Learning in the Wake of the COVID-19 Pandemic, Ecol. Evol. 11, 3450 (2021).
- [2] W. Buska, S. M. Munthalib, Nurhasnah, M. Elwidah, and Y. Prihartini, Analysis of Online Learning Activities During the COVID-19 Pandemic at Sulthan Thaha Saifuddin State Islamic University of Jambi, J. Phys.: Conf. Ser. 1779, 012023 (2021).
- [3] R. Afroz, N. Islam, S. Rahman, and N. Zerin Anny, Students' and Teachers' Attitude towards Online Classes during Covid-19 Pandemic: A Study on Three

- Bangladeshi Government Colleges, IJRBS 10, 462 (2021).
- [4] R. Bordoloi, P. Das, and K. Das, Perception towards Online/Blended Learning at the Time of Covid-19 Pandemic: An Academic Analytics in the Indian Context, AAOUJ 16, 41 (2021).
- [5] S. Chan, Usage of Mobile Video Conferencing Apps Including Zoom Grew 150% in the First Half of 2021, https://sensortower.com/blog/video-conferencing-apps-mau-growth.
- [6] R. Chatterjee and A.-P. Correia, Online Students' Attitudes Toward Collaborative Learning and Sense of Community, American Journal of Distance Education 34, 53 (2020).
- [7] M. Farrokhnia, H. J. Pijeira-Díaz, O. Noroozi, and J. Hatami, Computer-Supported Collaborative Concept Mapping: The Effects of Different Instructional Designs on Conceptual Understanding and Knowledge Co-Construction, Computers & Education 142, 103640 (2019).
- [8] Ö. Korkmaz, A Validity and Reliability Study of the Online Cooperative Learning Attitude Scale (OCLAS), Computers & Education 59, 1162 (2012).
- [9] S. Kim and D.-J. Kim, Structural Relationship of Key Factors for Student Satisfaction and Achievement in Asynchronous Online Learning, Sustainability 13, 6734 (2021).
- [10] D. E. Beaton, C. Bombardier, F. Guillemin, and M. B. Ferraz, Guidelines for the Process of Cross-Cultural Adaptation of Self-Report Measures, Spine 25, 3186 (2000).
- [11] KataData, Berapa Jumlah Peserta Didik Indonesia? | Databoks, https://databoks.katadata.co.id/datapubl ish/2019/05/02/berapa-jumlah-peserta-didik-indonesia.
- [12] A. Lidwina, Mahasiswa Indonesia Paling Banyak Jurusan Pendidikan dan Ekonomi | Databoks, https://databoks.katadata.co.id/datapubl

- ish/2021/02/15/mahasiswa-indonesia-paling-banyak-jurusan-pendidikan-dan-ekonomi.
- [13] J. E. Bartlett, J. W. Kotrlik, and C. C. Higgins, Organizational Research: Determining Appropriate Sample Size in Survey Research, Information Technology, Learning, and Performance Journal 19, 43 (2001).
- [14] D. S. Bestiantono, P. Z. R. Agustina, and T.-H. Cheng, How Students' Perspectives about Online Learning Amid the COVID-19 Pandemic?, Stud. Learn. Teach. 1, 133 (2020).
- T. Ratnasih, [15] D. Jamaluddin, H. Gunawan, and E. Paujiah, Pembelajaran Daring Masa Pandemik Covid-19 Pada Calon Guru: Hambatan, Dan Proyeksi, Lembaga Penelitian dan Pengabdian Kepada Masyarakat UIN Sunan Gunung Djati Bandung 10 (2020).
- [16] U. Mulyawan, Problematika Online Learning; Hambatan Pembelajaran Bahasa Inggris Siswa, JIH 9, 301 (2021).
- [17] D. Hariyanti, A. H. Mun'im, and N. Hidayat, Identifikasi Hambatan Mahasiswa dalam Pelaksanaan Pembelajaran Biologi Secara Daring Selama Pandemi Covid-19 di Kabupaten Jember, Alveoli: Jurnal Pendidikan Biologi 1, 11 (2020).
- [18] E. Chung, N. M. Noor, and V. N. Mathew, Are You Ready? An Assessment of Online Learning Readiness among University Students, . International Journal of Academic Research in Progressive Education and Development 9, 18 (2020).
- [19] Gunawan, N. M. Y. Suranti, and Fathoroni, Variations of Models and Learning Platforms for Prospective Teachers During the COVID-19 Pandemic Period, Indonesian Journal of Teacher Education 1, 61 (2020).
- [20] M. Giatman, S. Siswati, and I. Y. Basri, Online Learning Quality Control in the Pandemic Covid-19 Era in Indonesia,

- Journal of Nonformal Education 6, 168 (2020).
- [21] H. Mulyono, G. Suryoputro, and S. R. Jamil, The Application of WhatsApp to Support Online Learning during the COVID-19 Pandemic in Indonesia, Heliyon 7, e07853 (2021).
- [22] B. M. Ngussa, F. K. Fitriyah, and S. W. M. Diningrat, Correlation Between Facebook Use, Mental Health and Learning Engagement: A Case of Universities in Surabaya City, Indonesia, Turkish Online Journal of Distance Education 22, 229 (2020).
- [23] Sriadhi, Khaerudin, N. Wahyuningtyas, Darni, R. Zainul, M. Adri, Rusdinal, Nasrun. Rahmulyani, Nuranjani, Nurmaniah, A. Wedi, E. Surahman, E. N. Aisyah, H. I. Oktaviani, R. S. M. Meilanie, S. N. Purnamawati, Hapidin, W. D. Listyasari, Irsyad, Syafril, Anisah, Y. Santoso, Muhardi, A. Kristanto, L. H. Susarno, D. Kuswandi, Wardani. and E. Adnan. Development Moodle-Based of Content Learning System in MKDK Student Development Subjects LPTK in Indonesia, J. Phys.: Conf. Ser. 1594, 012021 (2020).
- [24] Y. B. Hermanto and V. A. Srimulyani, The Challenges of Online Learning During the Covid-19 Pandemic, JPP 54, 46 (2021).
- [25] R. Rasmitadila, R. R. Aliyyah, R. Rachmadtullah, A. Samsudin, E. Syaodih, M. Nurtanto, and A. R. S. Tambunan, The Perceptions of Primary School Teachers of Online Learning during the COVID-19 Pandemic Period: A Case Study in Indonesia, J Ethn Cult Stud 7, 90 (2020).
- [26] A. E. P. Atmojo and A. Nugroho, EFL Classes Must Go Online! Teaching Activities and Challenges during COVID-19 Pandemic in Indonesia, Register J. 13, 49 (2020).
- [27] V. Swami and D. Barron, Translation and Validation of Body Image Instruments: Challenges, Good Practice Guidelines, and Reporting

Recommendations for Test Adaptation, Body Image 31, 204 (2019).