



# BLENDED LEARNING METHOD TO IMPROVE LICENSED CADASTER SURVEYOR COMPETENCY STANDARD IN INDONESIA

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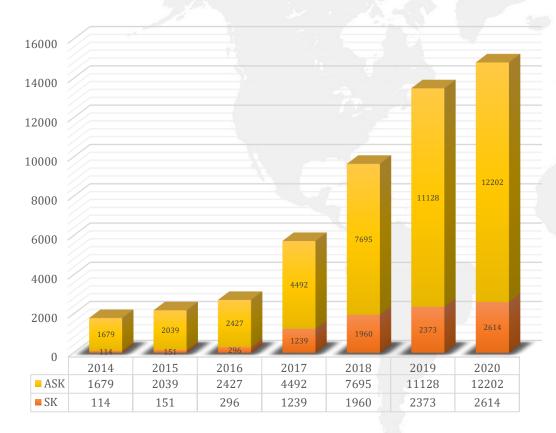


- 1 Overview
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- 3 Licensed Cadastral Surveyor Competency
- 4 KKNI Training Using Blended Learning Method
- 5 Conclusion



# WORKING WEEK 2021 21-25 JUNE SMART SURVEYORS FOR LAND AND WATER MANAGEMENT CHALLENGES IN A NEW REALITY

#### **Licensed Cadastral Surveyor 2014-2020**



(Adopted from ATR/BPN, 2020)

LICENSED CADASTRAL SURVEYOR

<10 %

**Have Competency Certificates** 

**KJSKB** 

131 of 187

**Had No Working Experience** 



#### 2. AIM AND RESEARCH QUESTION





This paper aims to analyze the role of the Human Resources Development Center (PPSDM) of the Ministry of ATR / BPN in improving SKB's competency standards by applying the blended learning method.



This paper analyzes the result of Focus Group Discussion (FGD) between the Center for Human Resources Development of the Ministry of ATR / BPN (PPSDM) and the Directorate General of Land and Spatial Survey and Mapping, Directorate General of Rights Determination and Land Registration, Data and Information Center, Indonesian Surveyor Association (ISI), and Indonesian Cadastral Expert Society (MASKI).



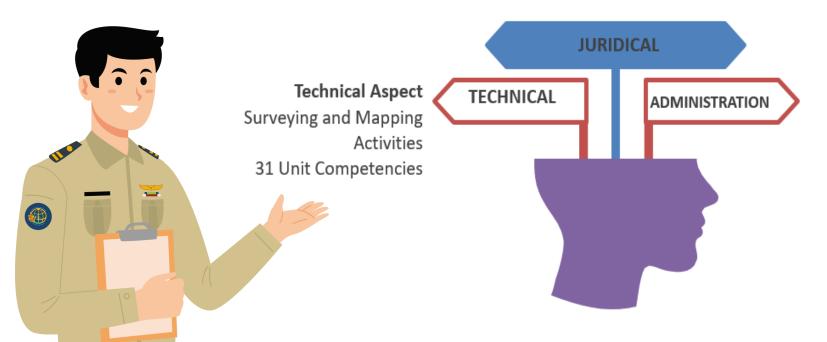
#### 3. LICENSED CADASTRAL SURVEYOR (I)



#### Indonesian National Work Competency Standard (SKKNI) cadaster

#### **Juridical Aspect**

Legal Data: 9 Unit Competencies



#### Administration Aspect

Collecting, processing,
bookkeeping, dan presentation
and maintenance of physical data
and juridical data
7 Unit Competencies

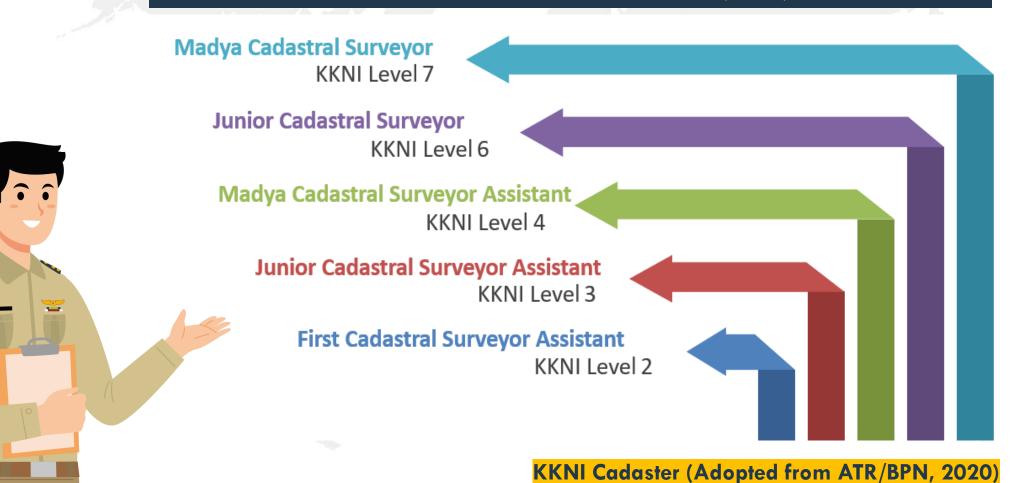
**Unit competencies in SKKNI Cadaster** 



#### 3. LICENSED CADASTRAL SURVEYOR (II)



#### Indonesian National Qualification Framework (KKNI) Cadaster





#### 4. KKNI TRAINING USING BLENDED LEARNING METHOD



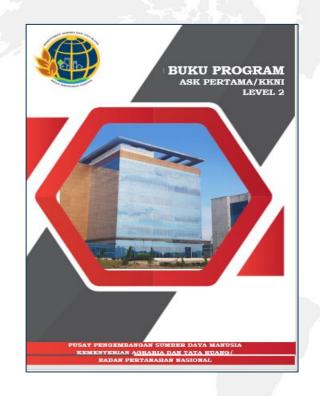
#### g curriculum for first Cadastre Surveyor Assistant/ KKNI Level 2 (Example)

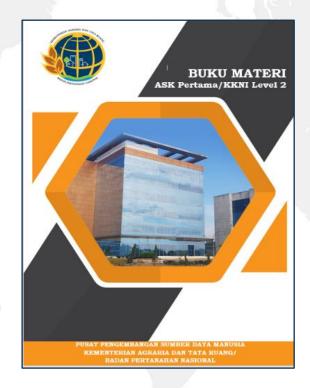
MANAN PERTANAHAN NASIOHAL	-		
- CRTANAHAN N			Training
Lv. 7		No	Trai
		l.	Competency units gr
			1.1 Identify parcel bou
Lv. 6			1.2 Make a stub path
			viewpoint can be seer
			1.3 Arranging terrestr
Lv. 4			1.4 Implementing occ
			environment (K3L) at
			1.5 Conduct survey lo
Lv. 3 (			1.6 Make benchmark
Lv.2 (		II.	Supporting group
			2.1 Training policy ov
4			2.2 Building Learning
			2.3 MTSL speech
			2.4 Competency test

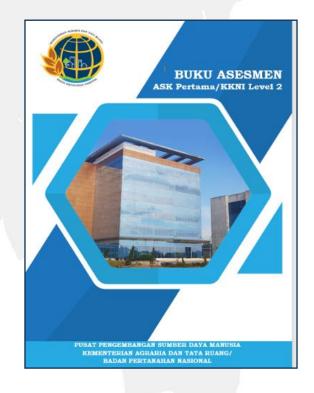
No	Training materials	Unit code	E-Learning duration (hour)	On Class/ Distance Learning (hour)
ı.	Competency units group			
	1.1 Identify parcel boundary	M.71KDT00.003.1	4	5
	1.2 Make a stub path for the survey, and ensure the viewpoint can be seen in all directions	M.71IGN00.034.2	3	3
	1.3 Arranging terrestrial survey target equipment	M.71IGN00.036.1	2	3
	1.4 Implementing occupational safety, health and environment (K3L) at work sites	M.711000.001.01	2	3
	1.5 Conduct survey location orientation	M.71IGN00.130.1	4	5
	1.6 Make benchmark / hydro Pilar	M.71IGN00.051.2	4	3
	Total I		21	22
II.	Supporting group			
	2.1 Training policy overview	-		2
	2.2 Building Learning Commitment		2	
	2.3 MTSL speech			3
	2.4 Competency test			3
	Total II	-	2	8
	Total I s.d. II	22	30	



#### KKNI TRAINING MATERIAL







**Program Book** 

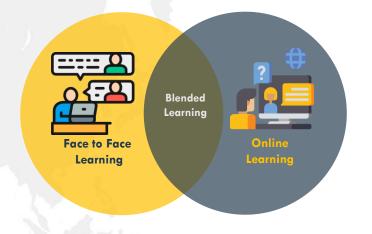
Modul

**Assesment book** 





- Blended Learning, in general, is a learning method that combines classical (face-to-face) methods with learning methods that use online media (e-learning). Blended learning practices will facilitate both 'same-time different-place' and 'different-time different-place' types of interactions (Aditya, 2020).
- The implementation of learning with the blended learning method depend on five keys to success, namely live event, self-paced learning, collaboration, assessment and performance support materials Carman (2005).

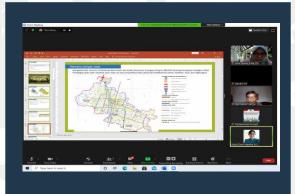






### BLENDED LEARNING METHOD (II)











E-Learning ppsdm.atrbpn.go.id



Distance Learning

ppsdm.atrbpn.go.id

On schedule



On Class
On schedule



**Competence Test** 

cbt.atrbpn.go.id



#### 5. CONCLUSION





To develop the competence and professionalism of licensed surveyors, it is necessary to have the Indonesian Cadastral National Work Competency Standards. This competency standard is the basis for competency-based human resource management and development system.



Training using the blended learning method is part of the digital transformation of Center for Human Resources Development (PPSDM) of the Ministry of ATR / BPN in the industrial era 4.0. The Blended Learning method combines classical (face-to-face) methods with learning methods that use online media (e-learning)



The Blended Learning method is one of the PPSDM's strategies to increase the competency of Licensed Surveyors' human resources to support national land strategic programs.







## THANK YOU

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