

Pretest

Token	Definition	Coding Rules	Examples
Category 1: Understanding of main components of a localization			
G1.K1	Individual elements of a localization	The students identify the individual elements of a written localization.	"A good localization definitely includes a description of the country, continent, and the surrounding area of the site to be localized. If asked, one can also mention the climatic conditions of the area. The land elevations and relief should also be described. The vegetation zone should also be determined." (BK25)
G1.K2	Function of a localization	The students identify the function of a localization.	"A good localization in geography class, in my opinion, means mentioning all the important things so that an uninformed reader can roughly visualize what a place is like and where it is located." (DB4)
Category 2: Confidence in writing localizations			
G2.K1	Confidence through practice	The students feel confident in writing a location description because they have had a lot of practice.	"I have written many localizations so far and thus, I am experienced in it." (HM16)
G2.K2	Confidence through knowledge of the main elements of a localization	The students feel confident in writing a localization because they are familiar with the main elements of a localization.	"I know which criteria are required of me and belong in a localization, and I am able to formulate these into a text." (LB76)
G2.K3	Uncertainty due to insufficient practice	The students feel uncertain in writing a localization because they have not practiced it often enough.	"I don't feel so confident because I don't localize so often." (VV74)

G2.K4	Uncertainty due to lack of knowledge of locational elements	The students feel uncertain in writing a localization because they are not familiar with the elements of a localization.	"I don't feel so confident in writing a localization because I don't know if the lines on the map belong to a localization or not." (MA4)
Category 3: Challenges in Writing a Localization			
G3.K1	Atlas Usage	The students have difficulty writing a localization because they have to independently search for maps in the atlas.	"My difficulty lies in finding the right atlas page and determining exactly where the place is located." (JM79)
G3.K2	Finding Formulations	The students struggle to find appropriate formulations.	"I find it difficult to transform the given information into a full text." (HZ16)
G3.K3	Reading and Identifying Grid References	The students face challenges in reading and correctly indicating grid references.	"It is difficult for me to determine the grid references correctly." (ZR70)
G3.K4	Determining Climate Zones	The students encounter difficulties in determining the climate zone.	"Determining climatic conditions gives me a hard time." (LO12)
G3.K5	Determining Vegetation Zones	The students face challenges in determining the vegetation zone.	"Personally, I find that determining the vegetation zone poses a challenge for me." (AC129)

G3.K6	Lack of Structure	The students do not know how to structure a localization.	“ [...], when one does not understand the material in context. I lack structure while writing, and so everything is in disarray.” (MB63)
Category 4: Assistance in Writing a Localization			
G4.K1	Formulation Aids	The students find formulation aids helpful in writing a localization.	"Formulation aids help me write my texts and incorporate them into my language use." (N55)
G4.K2	Materials Provided by the Teacher	The students find it helpful when the teacher provides them with various materials to use in writing a localization.	"I would like more materials, such as more diagrams." (NK32)
G4.K3	Samples	The students find sample solutions helpful in writing a localization.	"Having a sort of template for the localization helps me, like in language subjects." (JY1)
G4.K4	Practice Opportunities	The students find it helpful when they get practice opportunities in class.	"Practice helps me a lot. I wish that practicing texts in class would be more frequent." (SF200)
G4.K5	Feedback from the Teacher	The students find the feedback from their teacher helpful.	"It is helpful when I receive feedback from my teacher." (KM1)
G4.K5	Page References for Atlas Work	The students find it helpful when the teacher provides specific page references when they are supposed to use the atlas for writing a localization.	"Page references in the atlas help me." (NK41)
G4.K6	Operator List	The students find operator lists helpful.	"Operator lists are helpful." (LB76)

G4.K7	Bullet Points	The students find it helpful to make bullet points first and then write the localization.	"It helps me to prepare my texts by writing bullet points beforehand." (SH91)
G4.K8	Texts Instead of Diagrams and Maps	The students find it helpful to use texts instead of diagrams and maps as materials.	"More text instead of diagrams would help me because I have difficulty extracting the conclusion from diagrams and turning it into a text." (MA4)