Seed Versus Bulb, Indoor or Outdoor

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Introduction:
Crocuses grow from bulbs and usually open their blossoms after a year. They take about six to eight weeks to come out from the ground and usually open after a month. Arugulas, on the other hand, take only a few days to sprout and can be harvested within a week.

Experimental Question:
What are the differences in the various plants that grew in two different environments: indoor and outdoor?

Experimental Setup:
For the arugulas, nine pots were placed outside with sunshine and eight pots were placed inside with sunlight. For the crocus bulbs, three pots were planted outside, but the other three were planted inside. All pots were watered daily with 30 ml of water for three weeks, after which the inside pots received additional water.

Results:
Arugulas sprouted within a few days. The inside arugulas sprouted first and grew faster than the outside ones. The inside arugulas' stems had less strength than the outside ones, but the outside arugulas were taller. For the crocus bulbs that were planted outside, all first sprouts looked the same, but they didn't change colors. For those that were planted inside, the crocus bulbs slowly opened after a year. They took about six to eight weeks to come out from the ground and usually opened after a month. Nonetheless, the crocus bulbs planted outside were taller and more vibrant than those planted inside. However, all the crocus bulbs planted inside died from the excessive low. It is more likely that the reason is the amount of sunlight and the outside temperature difference in the environment, as the outside arugulas got red first and the inside ones got brown.

Conclusion:
It is clear that the environment affects the growth of the plants. It is more likely that the reason is the amount of sunlight and the outside temperature difference in the environment. From the experiment, it is proved that the sprouting rate of arugulas is faster in an environment with sunlight, whereas the sprouting rate of crocus bulbs is slower in an environment with sunlight.