in a growth rate of the plant is large, and there is a possibility that cultivation cannot be performed according to a plan.

In addition, in Bulletin of the Experimental Farm Faculty of Agricalture, Kagoshima University, vol. 29, pp. 1 to 3 (2006), whether or not the seeds of a Cucurbitaceae family plant are germinated in water is confirmed and the cultivation of the plant according to the plan is not referred.

[0007] The present disclosure has been made in view of the above circumstances, and an object to be solved thereof is to provide a method of cultivating a plant and a plant cultivation apparatus, in which cultivation according to the plan is possible.

[0008] Specific embodiments are as follows.

According to a first aspect of the present disclosure, there is provided a method of cultivating a plant, including a step of seeding a seed of the plant on a transparent medium and germinating and a step of evaluating and sorting the plant after a start of the germinating according to a germinating state.

In an embodiment of the above disclosure, the transparent medium is a liquid.

In an embodiment of the above disclosure, a temperature of the transparent medium, which is a liquid, is 10°C to 40°C.

In an embodiment of the above disclosure, the step of evaluating and sorting the plant according to the germinating state comprises evaluating growth of the plant and sorting the plant, based on a length of a radicle developed from the seed of the plant.

In an embodiment of the above disclosure, the step of evaluating and sorting the plant according to the germinating state comprises acquiring an image of the plant in the germinating state and evaluating growth of the plant and sorting the plant, based on a length of a radicle measured from the image.

In an embodiment of the above disclosure, the step of evaluating and sorting the plant according to the germinating state comprises sorting the plant in which a ratio of a length of a radicle to a length of a seed is 1/4 to 1/1.

An embodiment of the above disclosure further includes a step of raising seedlings of the plant sorted by the step of evaluating and sorting the plant according to the germinating state with artificial light.

In an embodiment of the above disclosure, the plant is a fruit vegetable plant.

In an embodiment of the above disclosure, the plant is a tomato or a melon.

According to a second aspect of the present disclosure, there is provided a plant

cultivation apparatus including a germination equipment and a seedling raising equipment, in which the germination equipment includes a transparent medium for seeding a seed of a plant and an imaging device for confirming a germinating state of the plant, and the seedling raising equipment includes a light source that emits artificial light.

In an embodiment of the above disclosure, the germination equipment includes a container that accommodates the transparent medium, and the transparent medium is a liquid.

[0009] According to embodiments of the present disclosure, it is possible to provide a method of cultivating a plant and a plant cultivation apparatus, in which cultivation according to the plan is possible.

BRIEF DESCRIPTION OF THE DRAWINGS

[0010] Fig. 1 is a schematic front view of a plant in a germinating state.

Fig. 2 is a schematic cross-sectional view of a germination equipment and a seedling raising equipment provided in the same cultivation room.

DESCRIPTION OF THE PREFERRED EMBODIMENTS

[0011] Hereinafter, embodiments for performing the present disclosure are described in detail. However, the present disclosure is not limited to the following embodiments. In the following embodiments, the components (including elements, steps, and the like) are not essential unless otherwise specified. The same applies to numerical values and ranges thereof, which do not limit the present disclosure.

[0012] In the present disclosure, a numerical range represented using “to” includes numerical values before and after “to” as a minimum value and a maximum value, respectively.

In a numerical range described in a stepwise manner in the present disclosure, an upper limit or a lower limit described in one numerical range may be replaced with an upper limit value or a lower limit value in another numerical range described in a stepwise manner. In addition, in a numerical range described in the present disclosure, an upper limit value or a lower limit value in the numerical range may be replaced with a value described in Examples.

[0013] In the present disclosure, a step such as raising seedlings included in the method of cultivating a fruit vegetable plant includes, in addition to a step independent of other steps such as cultivation of seedlings and germination of seeds, a step that achieves a desired effect of the