WHAT IS CLAIMED IS:

[Claim 1] A height-adjustable bar chair comprising:

an upper reinforcing bar support structure (10) having a set of four corner angles (11) arranged vertically on corners of a quadrilateral, a horizontal connecting member (12) composed of a bearing horizontal connecting member (121) connecting the corner angles (11) to each other and located at an uppermost part of the set of four corner angles (11) and supporting horizontal connecting members (122) located under the bearing horizontal connecting member (121), and protruding corner angle parts (111) protruding upward from the bearing horizontal connecting member (121);

a yoke member (20) installed on a height-adjusting bracket (30) mounted on each of two or more consecutive upper reinforcing bar support structures (10), with an upper reinforcing bar (1) placed on the yoke member (20); and

the height-adjusting bracket (30) having a horizontal length (L) to be fitted and accommodated between the protruding corner angle parts (111) having a first-side inner width (e) at one side for height adjustment of the yoke member (20), and including: a pair of outer height-adjusting plates (31), each having a predetermined height (H), installed to be adjacent to the protruding corner angle parts (111) on opposite sides facing each other, and a pair of inner height-adjusting plates

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(32) located respectively at predetermined distances inward between the pair of outer height-adjusting plates (31) and installed vertically starting from predetermined height positions of the outer height-adjusting plates (31) by being welded thereto, so that the height-adjusting bracket (30) has an overall “ㅍ” shape when viewed from above, and has a “ㅗ” shape or a “ㅠ” shape depending on an installation stage for height adjustment when viewed from a side or front.

[Claim 2] The height-adjustable bar chair of claim 1, wherein the bearing horizontal connecting member (121) and the supporting horizontal connecting members (122), which constitute the horizontal connecting member (12), are composed of reinforcing bars, steel pieces, or angles, and are installed on the corner angles (11) by being welded thereto.

[Claim 3] The height-adjustable bar chair of claim 2, wherein diagonal reinforcing members (13) are welded and installed from opposite side portions of the bearing horizontal connecting member (121), which converge toward the corner angles (11), to portions of the corner angles (11) under the bearing horizontal connecting member (121).

[Claim 4] The height-adjustable bar chair of claim 1, wherein the bearing horizontal connecting member (121) has L-

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shaped angles (A) welded and installed on the corner angles (11), with horizontal surfaces (121a) of the L-shaped angles (A) facing each other located at upper portions of the L-shaped angles (A), and vertical surfaces (121b) thereof connected to horizontal surfaces (121a) to face downward, and reinforcing bars on opposite sides, on which the L-shaped angles (A) are not installed, welded and installed on the corner angles (11), respectively.

[Claim 5] The height-adjustable bar chair of claim 1, wherein a horizontal bracing member (130) is diagonally welded to the corner angles (11) on a horizontal plane formed by each of the supporting horizontal connecting members (122).

[Claim 6] The height-adjustable bar chair of claim 1, wherein one or more vertical bracing members (140) are diagonally welded to and installed on the corner angles (11) between the bearing horizontal connecting member (121) and one of the supporting horizontal connecting members (122), or between one of the supporting horizontal connecting members (122) and another of the supporting horizontal connecting members (122).

[Claim 7] The height-adjustable bar chair of claim 1, wherein a height of each of the inner height-adjusting plates

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(32) is equal to a height of each of the outer height-adjusting plates (31).

[Claim 8] The height-adjustable bar chair of claim 1, wherein cases in which the height-adjusting bracket (30) is installed to further raise an installation height of the yoke member (20) from a first-stage height in which the yoke member (20) is installed on the bearing horizontal connecting member (121) to support the upper reinforcing bar (1) thereon include:

a case in which the height-adjusting bracket (30) has a "ㅠ" shape when viewed from a side, wherein the outer height-adjusting plates (31) are mounted on the bearing horizontal connecting member (121) and the yoke member (20) is installed on upper ends (32a) of the inner height-adjusting plates (32) to support the upper reinforcing bar (1) thereon at a second-stage height;

a case in which the height-adjusting bracket (30) has a "ㄱㄴ" shape when viewed from a front, wherein the outer height-adjusting plates (31) are mounted on the bearing horizontal connecting member (121) and the yoke member (20) is installed on lower ends (31b) of the outer height-adjusting plates (31) to support the upper reinforcing bar (1) thereon at a third-stage height; and

a case in which the height-adjusting bracket (30) has a "ㄱㄴ" shape when viewed from the side, wherein the outer height-

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adjusting plates (31) are mounted on the bearing horizontal connecting member (121) and the yoke member (20) is installed on lower ends (32b) of the inner height-adjusting plates (32) to support the upper reinforcing bar (1) thereon at a fourth-stage height, so that the height adjustment of the yoke member (20) is performed.

[Claim 9] The height-adjustable bar chair of claim 1, wherein the yoke member (20) is formed by using one or more reinforcing bars.

[Claim 10] The height-adjustable bar chair of claim 1, wherein the yoke member (20) is formed by using a reinforcing bar, omega-shaped steel, C-shaped steel, or H-shaped steel.

[Claim 11] The height-adjustable bar chair of claim 1, further comprising:

fitting slots (112) formed horizontally in each angle side (11a) in a direction in which the protruding corner angle part (111) and the protruding corner angle part (111) face each other; and

a hat-shaped yoke member (20-1) including: a fitting support lower plate part (21-1) having a first side fitting support lower plate part (21a-1), which is bent in a form of a lower brim of a hat, fitted into each of the fitting slots

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(112) facing each other, and a second side fitting support lower plate part (21b-1) supported by the height-adjusting bracket (30); a side plate part (22-1) constituting a side portion thereof by bending upward from each of opposite ends of the fitting support lower plate part (21-1); and a reinforcing bar support upper plate part (23-1) bent horizontally from the side plate part (22-1) and connected thereto so as to support the upper reinforcing bar (1).

[Claim 12] The height-adjustable bar chair of claim 11, wherein the side plate part (22-1) is formed to be inclined inward with respect to a center (c) of the hat-shaped yoke member (20-1).

[Claim 13] The height-adjustable bar chair of claim 11, wherein the height-adjusting bracket (30) is mounted on the upper reinforcing bar support structure (10) and a hat-shaped yoke member (20-1) is placed on upper ends (32a) of the inner height-adjusting plates (32), so that the first side fitting support lower plate part (21a-1) is fitted and installed into a second fitting slot (112-2) located at a second height position,

the height-adjusting bracket (30), which is fitted into the second fitting slot (112-2), is rotated by 90 degrees, turned upside down by 180 degrees, and then mounted on the

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upper reinforcing bar support structure (10), and the hat-shaped yoke member (20-1) is placed on lower ends (31b) of the outer height-adjusting plates (31), so that the first side fitting support lower plate part (21a-1) is fitted and installed into a third fitting slot (112-3) located at a third height position, and

the height-adjusting bracket (30), which is fitted into the second fitting slot (112-2), is turned upside down by 180 degrees and mounted on the upper reinforcing bar support structure (10), and the hat-shaped yoke member (20-1) is placed on lower ends (32b) of the inner height-adjusting plates (32), so that the first side fitting support lower plate part (21a-1) is fitted and installed into a fourth fitting slot (112-4) located at a fourth height position.

[Claim 14] The height-adjustable bar chair of any one of claims 1 and 13, wherein depending on a state in which the height-adjusting bracket (30) is placed on the upper reinforcing bar support structure (10), a first side fitting support lower plate part (21a-1) of a hat-shaped yoke member (20-1) is fitted and installed into one of multiple fitting slots (112-2, 112-3, 112-4) formed in each of the corner angles (11) of the upper reinforcing bar support structure (10).

[Claim 15] The height-adjustable bar chair of any one of

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claims 1 and 13, wherein when two hat-shaped yoke members (20-1) are installed in a parallel and overlapping arrangement on the upper reinforcing bar support structure (10), a first side fitting support lower plate part (21a-1) of one hat-shaped yoke member (20-1) is fitted and installed into any one of multiple fitting slots (112) formed in each of first-side corner angles (11) of the upper reinforcing bar support structure (10), and a first side fitting support lower plate part (21a-1) of a remaining one hat-shaped yoke member (20-1) is fitted and installed into any one of multiple fitting slots (112) formed in each of second-side corner angles (11) of the upper reinforcing bar support structure (10).

[Claim 16] The height-adjustable bar chair of claim 11, wherein air holes (20h-1) are formed in an upper end portion of the side plate part (22-1) or the reinforcing bar support upper plate part (23-1) so as to discharge air without formation of an air pocket when concrete is poured.

[Claim 17] The height-adjustable bar chair of claim 1, wherein the corner angles (11) of the upper reinforcing bar support structure (10) protrude downward from the horizontal connecting member (12) located at a lowermost end and are supported on blinding concrete (3).

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[Claim 18] The height-adjustable bar chair of claim 1, wherein lower reinforcing bar rests (40) facing each other in parallel are welded and fixed on lower ends of the corner angles (11) so that the upper reinforcing bar support structure (10) is placed on lower reinforcing bars (2).

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